高活性生物原料制造商

HIGHLY ACTIVE

BIOLOGICAL RAW MATERIAL MANUFACTURER

我们的创新，助力您的成功！

Our Innovation, Your Success.

珠海冀百康生物科技有限公司
Zhuhai Gene-Biocon Biological Technology Co., Ltd.

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抖音 小红书

门冬胰岛素・重组羧肽酶B・重组肠激酶・重组Kex2蛋白酶・TrypRE select(1×)・专利棕榈酰四肽-7・98%二裂酵母发酵产物溶胞物・专利胶原修复肽・专利油溶蓝铜肽・ 重组人小分子胶原蛋白・油溶重组人小分子胶原蛋白・重组人超氧化物歧化酶・专利油溶多肽・司美格鲁肽中间体29肽・重组胰蛋白酶・重组赖氨酰内切酶・德谷胰岛素
Insulin Aspart · Recombinant Carboxypeptidase B · Recombinant Enterokinase · Recombinant Kex2 Protease · TrypRE select(1×) · Patented Palmitoyl Tetrapeptide-7 · 98% Bifida Ferment Lysate rh Small-molecule Collagen · Oil-rh Small-molecule Collagen · rhSOD · Patented Safe Oil-soluble Products · Semaglutide Intermediate P29 · Recombinant Trypsin · rLys-C · Insulin Degludec

目录 CONTENTS

ABOUT US

珠海冀百康生物科技有限公司成立于2015年,拥有合成生物学创新技术，专注于**“高活性生物原料”**与**“高端生物制药”**两大核心领域。产品主要应用在抗体、疫苗、蛋白类、核酸类药物的生产以及细胞培养、人造肉、化妆品和医美行业。

冀百康生物建立了功能全面的质检中心和完善的质量管理体系，拥有国际标准规范的GMP生产车间，为客户精准提供全面解决方案及ODM/CDMO服务。

Zhuhai Gene-Biocon Biotechnology Co., Ltd. was established in 2015 and is focused on innovative synthetic biology technology. The company specializes in two core areas: "highly active biological raw materials" and "high-level bio-pharmaceuticals." Its products are primarily used in the production of vaccines, antibodies, proteins, and nucleic acid drugs, as well as in the fields of cell culture, cultured meat, cosmetics, and medical aesthetics.

Gene-Biocon has established a comprehensive quality inspection center along with a complete quality management system. It operates an international standard GMP production workshop, allowing the company to provide customers with thorough solutions, including ODM and CDMO services.

Five Technology Platforms 五大技术平台

01 高效表达基因工程技术平台 High-expression genetic engineering technology platform

02 高密度生物发酵技术平台 High-density biological fermentation technology platform

03 高活性蛋白工具酶技术平台 High-activity protein tool enzyme technology platform

04 高性能核酸药物工具酶技术平台 High-performance nucleic acid drug tool enzyme technology platform

05 透皮吸收纳米技术平台 Transdermal absorption nanotechnology platform

权威的认证 源于严谨的要求

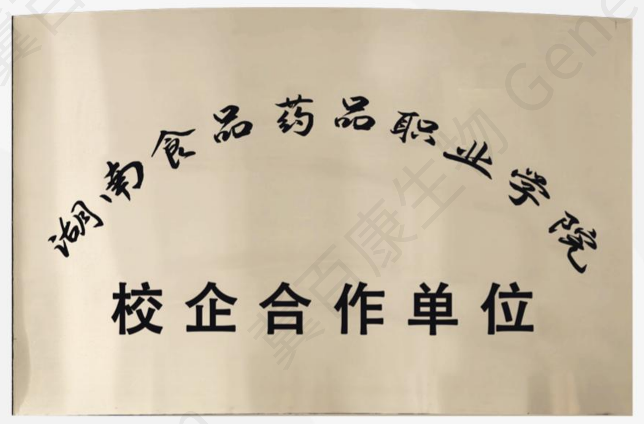
Authoritative certification is granted based on strict standards and requirements.

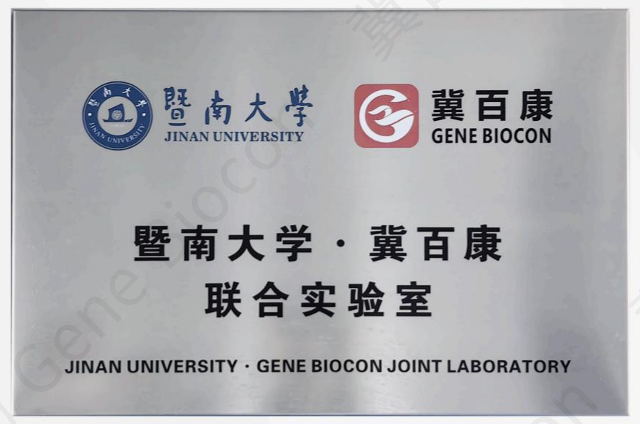
将技术创新作为不断前进的动力之一，截至 2025年10月，冀百康生物的技术团队目前已拥有**19项**国家发明专利及实用新型专利授权

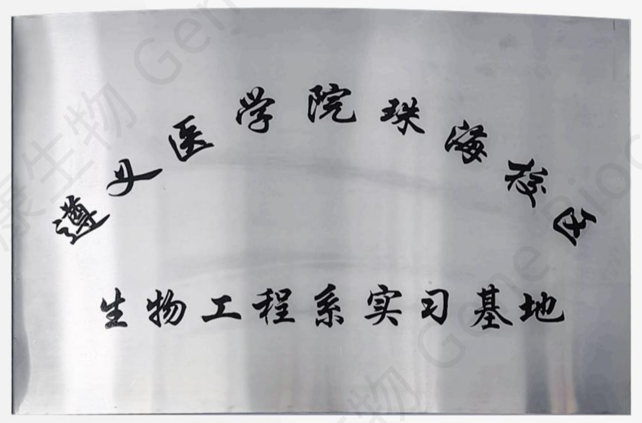
As an innovation-driven enterprise, the R&D team of Gene-Biocon has obtained 19 national invention patents and utility model patents as of Oct. 2025.

28 发明专利申请 Invention Patent Application	**19** 已授权专利 Authorized Patent
2 授权实用新型 Authorized Invention Patent	**17** 授权发明 Authorized Utility Model

HONOR
资质荣誉







COOPERATIVE UNIVERSITIES
合作高校

暨南大學 JINAN UNIVERSITY

西南大學 SOUTHWEST UNIVERSITY

遵義醫科大學 ZUNYI MEDICAL UNIVERSITY

澳門大學 UNIVERSITY OF MACAU

珠海科技学院 Zhuhai College Of Science and Technology

更多详情请查看冀百康生物官方网站...
For more details, please visit the GENE-BIOCON official website...

研检一体
R&D \ Quality Inspection

研发实力 R&D Strength


高效分泌表达基因工程实验室
HighGene Lab


高密度微生物发酵实验室
AutoF Lab


多肽纯化实验室
PepPur Lab


高纯度蛋白质快速纯化实验室
BioPure Lab


定点特异生物修饰实验室
BioMod Lab


多肽合成实验室
PepSyn Lab


化妆品原料配方实验室
CosFor Lab


高稳定生物制剂实验室
BioPre Lab

品质优先 Quality First


分析检测中心
Analytical Testing Center


液相检测室
HPLC Testing


理化检测室
Physical and Chemical Testing


细胞检测室
Cell Testing


微生物检测室
Microbiological Testing


精密仪器检测室
Precision Instrument Testing

产品布局
PRODUCT LAYOUT

高活性生物原料
Highly Active Biological Raw Materials

生物原料 Bio-Pharma raw material

化妆品原料 Cosmetic Raw Materials

定制加工及委托服务 ODM/CDMO

生物药中间体
Biopharmaceutical Inermediates

德谷胰岛素
Insulin Degludec

司美格鲁中间体29肽
Semaglutide Intermediate P29 (GLP-1(9-37))

...

基因工程酶
Genetically Engineered Enzymes

重组胰蛋白酶（细胞培养级&药典级&1:250）
Recombinant Trypsin
(Cell Culture Grade & Pharmacopoeia Grade&1:250)

重组热稳定胰蛋白酶
Recombinant Heat-stable Trypsin

TrypRE select(1×)

重组赖氨酰内切酶（质谱级&生化级）
Recombinant Lysyl Endopeptidase
(M.S. Grade & Biochemical Grade)

重组羧肽酶B
Recombinant Carboxypeptidase B

重组肠激酶
Recombinant Enterokinase

重组Kex2蛋白酶
Recombinant Kex2 Protease

...

细胞培养及人造肉
Cell Culture and Culture Meats

rhbFGF
Recombinant Human Basic Fibroblast Growth Factor

rhEGF
Recombinant Human Epidermal Growth Factor

rhIGF-1
Recombinant Human Insulin-like Growth Factor

...

专利蛋白系列
Patented Proteins

重组人小分子胶原蛋白
Recombinant Humanized Small-molecule Collagen

重组I型人源化胶原蛋白 .... 械
Recombinant Humanized Collagen Type I

重组III型人源化胶原蛋白 .... 械
Recombinant Humanized Collagen Type III

重组XVII型人源化胶原蛋白 .... 械
Recombinant Humanized Collagen Type XVII

重组人超氧化物歧化酶
Recombinant Human Superoxide Dismutase (rhSOD)

...

专利油溶系列
Patented Oil-soluble

油溶重组人小分子胶原蛋白
Oil Recombinant Humanized Small-molecule Collagen

油溶咖啡因
Oil Caffeine

油溶PDRN
Oil-soluble PDRN

油溶乙酰基六肽8
Oil Acetyl Hexapeptide-8

透明油溶S-玻色因
PureS-OilProX

油溶烟酰胺
Oleonic

油溶逆时光肽
Oil WrinkleAway Peptide

油溶舒敏复颜肽
Oil Antiflamin

...

脂质体系列
Liposome Series

重组双蛋白脂质体
Recombinant Dual-Protein Liposomes

30%烟酰胺脂质体
30% Niacinamide Liposomes

ACE 纳米赋活乳
ACE Nano-Activator Emulsion

...

酵母发酵系列
Yeast Fermentation Series

大米发酵产物滤液
Rice Fermentation Product Filtrate AE500

98%二裂酵母发酵产物溶胞物
98% Bifida Ferment Lysate

...

定制化委托生产服务
Customized Service

工程菌构建类服务
Engineering Bacteria Construction Service

药物工艺开发类服务
Medicine Development Service

重组蛋白类定制
Recombinant Protein Custom Production

美肌配方类定制
Cosmetic Raw Materials Custom Production

...

*以上生物原料仅供科研和工业生产使用，不能用于人体

械 II类医疗器械 Registered as a Class II Medical Device
The above biological raw materials are for research and industrial productionuse only. CAUTION: Not for human or animal therapeutic or diagnostic use.

德谷胰岛素
Insulin Degludec

CAS：844439-96-9

自主研发第四代胰岛素——德谷胰岛素注射液已顺利完成I期临床试验

目前III期临床测试正在进行中……

Insulin Degludec Injection, a fourth-generation insulin, was developed by Gene-Biocon. It has successfully completed Phase I clinical trials, and Phase III clinical trials are currently in progress.


国家药品监督管理局

药物临床试验批准通知书

受理号：CXSL2101500　　通知书编号：2022LP00330

珠海冀百康生物科技有限公司：

根据《中华人民共和国药品管理法》及有关规定，经审查，2021 年 12 月 20 日受理的德谷胰岛素注射液符合药品注册的有关要求，同意本品开展 2 型糖尿病的临床试验。

国家药品监督管理局 药品注册专用章

2022 年 03 月 01 日

简介 Introduction

德谷胰岛素是一种**超长效胰岛素类似物，作用时间长达42小时。**既往研究显示其具有超长效降糖效果，且能减少低血糖风险。在美国糖尿病学会（ADA）2011 年会中，多项德谷胰岛素的新近研究成果发布，进一步探索了其从分子结构到降糖作用的特点，显示出皮下注射后呈多六聚体构型的德谷胰岛素，具有平稳的药代动力学特点，可持久、平稳、长期降糖，低血糖风险小。

Insulin Degludec is an ultra-long-acting insulin analogue. Previous studies have demonstrated its ultra-long-acting hypoglycemic effects and its ability to reduce the risk of hypoglycemia. During the American Diabetes Association (ADA) annual meeting in 2011, several recent research findings regarding Insulin Degludec were presented. These studies explored its characteristics, ranging from its molecular structure to its hypoglycemic effects, and indicated that it forms a polyhexamer configuration after subcutaneous injection. Insulin Degludec exhibits stable pharmacokinetic properties, allowing for sustained, stable, and long-term blood sugar reduction with a minimal risk of hypoglycemia.

优势 Features

- ≥99% 高纯度 High purity
- GMP 国际标准 World-Class Standard
- ISO 9001 质量管控 Quality control
- 无动物源 Animal-Free

应用 Usage

· 用于治疗II型糖尿病
Used to treat type II diabetes

参数 Datas

项目 Item	指标 Parameters
性状 Appearances	白色或类白色冻干粉 White or off-white powder
含量 Content	95.0%~105.0%
内毒素 Endotoxins	＜10 EU/mg
宿主蛋白残留 Host protein residues	不得过 10ng/mg Not more than 10ng/mg
外源性DNA残留 Exogenous DNA residue	不得过 10ng/1 剂量 Do not exceed 10ng/1 dose
高分子蛋白质 High molecular weight protein	不得过 0.4% Not more than 0.4%
纯度 Purity	≥99.0%

司美格鲁肽中间体29肽
Semaglutide Intermediate P29 (GLP-1(9-37))

CAS：1169630-82-3

- ≥98% 高纯度 High purity
- GMP 国际标准 World-Class Standard
- ISO 9001 质量管控 Quality control
- 无动物源 Animal-Free

简介 Introduction

司美格鲁肽中间体29肽采用基因工程发酵方式生产，生产过程在GMP条件进行，产品纯度高。本品为大肠杆菌重组表达的司美格鲁肽前体，经酶切、层析纯化、冷冻干燥得到的冻干粉。

Semaglutide intermediate P29 (GLP-1(9-37)) is produced through genetic engineering fermentation. The production process follows Good Manufacturing Practices (GMP) standards, ensuring high product purity. This product is a lyophilized powder obtained through enzyme cleavage, chromatography purification, and freeze-drying of the Semaglutide precursor expressed by *E. coli*.

应用 Usage

· 用于生产司美格鲁肽
Utilized in the production and development of GLP-1 drugs.

参数 Datas

项目 Item	指标 Parameters
性状 Appearances	白色或类白色冻干粉 White or off-white powder
来源 Content	大肠杆菌 *E. coli*
纯度（HPLC） Purity (HPLC)	应≥98.0% Should be ≥98.0%
含量 Content	按干燥品计算，含司美格鲁肽中间体 29 肽应≥90.0% On a dry basis, the content of the Semaglutide intermediate P29 should be ≥90.0%.

司美格鲁肽
Semaglutide

CAS：910463-68-2

- ≥99% 高纯度 High purity
- GMP 国际标准 World-Class Standard
- ISO 9001 质量管控 Quality control
- 无动物源 Animal-Free

简介 Introduction

司美格鲁肽是超长效GLP-1类似物。是通过基因重组技术，利用生物发酵产生肽链的人胰高血糖素样肽-1类似物，通过介导GLP-1受体，以葡萄糖依赖的方式，刺激胰岛素分泌，用于 II 型糖尿病成人患者的血糖控制。

Semaglutide is an ultra-long-acting GLP-1 analog, which is a human glucagon-like peptide-1 analog produced through genetic recombination technology and biological fermentation. It acts on GLP-1 receptors and stimulates insulin secretion in a glucose-dependent manner. Semaglutide helps control blood sugar levels in adult patients with type 2 diabetes.

应用 Usage

· 用于治疗II型糖尿病
Used to treat type II diabetes

· 用于减肥
Lose weight

参数 Datas

项目 Item	指标 Parameters
性状 Appearances	白色或类白色冻干粉 White or off-white powder
含量 Content	95.0%~105.0%
内毒素 Endotoxins	＜10 EU/mg
宿主蛋白残留 Host protein residues	不得过 10ng/mg Not more than 10ng/mg
外源性DNA残留 Exogenous DNA residue	不得过 10ng/1 剂量 Do not exceed 10ng/1 dose
高分子蛋白质 High molecular weight protein	不得过 0.3% Not more than 0.3%
纯度 Purity	≥99.0%

重组胰蛋白酶（细胞培养级、药典级、1:250）

Recombinant Trypsin(Cell Culture Grade & Pharmacopoeia Grade&1:250)

重组热稳定胰蛋白酶 / TrypRE select(1×)

Recombinant Heat-stable Trypsin / TrypRE select(1×)

CAS：9002-07-7

简介 Introduction

冀百康的重组胰蛋白酶是从重组毕赤酵母中分离纯化得到的，属于生物化学级别的基因工程酶，不含DFP、PMSF和TLCK等酶抑制剂，具有与天然胰蛋白酶相同的活性和特异性。其活性受丝氨酸蛋白酶抑制剂如PMSF和TLCK等、金属离子螯合剂如EDTA等的抑制。

Recombinant Trypsin from Gene-Biocon is isolated and purified from the Recombinant *Pichia Pastoris*. It does not contain enzyme inhibitors such as DFP, PMSF, or TLCK. However, its activity can be inhibited by serine protease inhibitors like PMSF and TLCK and metal ion chelators such as EDTA.

优势 Features

- 重组酵母表达产物 Produced by *Pichia Pastoris*
- 不含动物源，无杂酶 Animal-Free, no miscellaneous enzymes
- 超高纯度，消化能力强 Ultrahigh purity and strong digestion
- 替代传统动物提取胰蛋白酶 Instead of traditional animal-origin trypsin

参数 Datas

项目 Item	细胞培养级 Cell Culture Grade	药典级 Pharmacopoeia Grade	1:250	热稳定胰蛋白酶 Heat-stable Trypsin	TrypRE select(1×)
性状 Appearances	白色或类白色冻干粉 White or off-white powder	白色或类白色冻干粉 White or off-white powder	白色或类白色冻干粉 White or off-white powder	白色或类白色冻干粉 White or off-white powder	无色澄明溶液 Colorless clear solution
纯度（SDS-PAGE） SDS-PAGE	≥95%	≥95%	/	/	/
纯度（HPLC） HPLC Purity	α-胰蛋白酶不得大于20% β-胰蛋白酶不得小于70% α-Trypsin should NMT 20% β-Trypsin should NLT 70%	α-胰蛋白酶不得大于20% β-胰蛋白酶不得小于70% α-Trypsin should NMT 20% β-Trypsin should NLT 70%	/	/	/
酶比活性 Enzyme specific activity	≥3800USP unit/mg pro.	≥3800USP unit/mg pro.	≥80USP unit/mg pro.	≥2500USP unit/mg pro.	/
酶活性 Enzyme activity	/	/	/	/	≥200USP unit/ml
蛋白含量 Protein content	90%	40%~70%	/	>30%	/
外源 DNA 残留量 Residue DNA	≤100ng/mg pro.	≤100ng/mg pro.	≤100ng/mg pro.	/	/
菌体蛋白残留量 Residue HCP	≤100ng/mg pro.	≤100ng/mg pro.	≤100ng/mg pro.	/	/
最佳 pH Optimum pH	7.0~9.0	7.0~9.0	/	7.0-10.0	7.0-7.4

*仅供科研研和工业生产使用，不能用于人体

应用 Usage

细胞培养级 Cell Culture Grade

- 用于疫苗生产 Vaccine Production
- 细胞培养、细胞治疗 Cell culture, Cell therapy
- 蛋白药物（如：胰岛素、GLP-1药物）的生产 Applied to the production of protein drugs, like Insulin and GLP-1

药典级 Pharmacopoeia Grade

- 细胞培养、细胞治疗 Cell culture, Cell therapy
- 蛋白药物（如：胰岛素、GLP-1药物）的生产 Applied to the production of protein drugs, like Insulin and GLP-1

1:250

- 细胞培养传代和初生组织解离中的细胞解离，如人或动物用疫苗生产 Cell passage and cell dissociation of primary tissues, such as vaccine production for human or animals

热稳定胰蛋白酶 Heat-stable Trypsin

- 用于热稳定消化液的生产 For the production of heat stable digestate
- 细胞培养、细胞治疗 Cell culture, Cell therapy

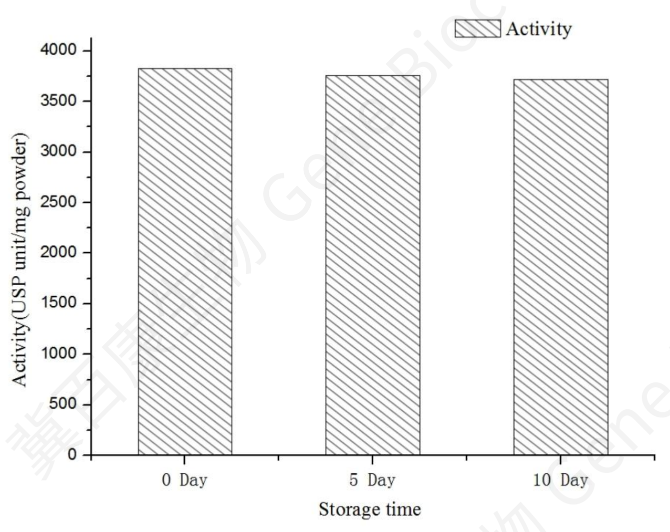
TrypRE select(1×)

- 用于各种类型的细胞消化 Used in cell culture

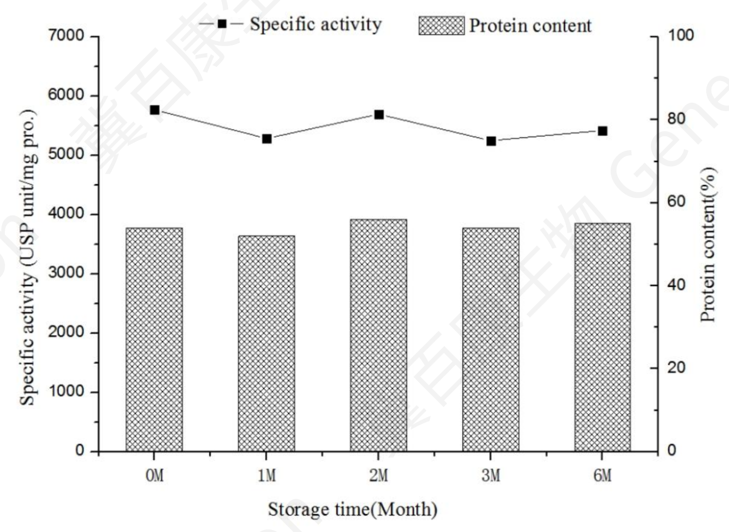
稳定性测试 Stability test

重组胰蛋白酶冻干粉在40°C可存放10天以上，在2~8°C时可存放6个月以上，在-15~-20°C时可存放24个月

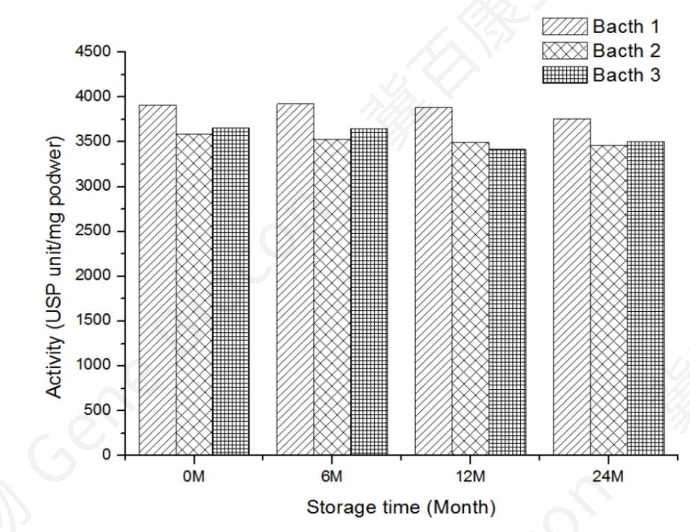
Recombinant trypsin lyophilized powder can be stored for more than 10 days at 40°C, more than 6 months at 2~8°C, and 24 months at -15~-20°C.



40°C加速稳定性
Accelerated stability at 40°C

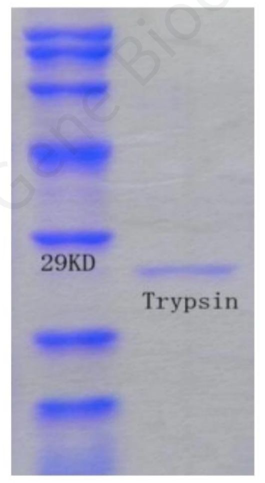


2~8°C加速稳定性
Accelerated stability at 2~8°C



-15~-20°C长期稳定性
-15~-20°C long term stability

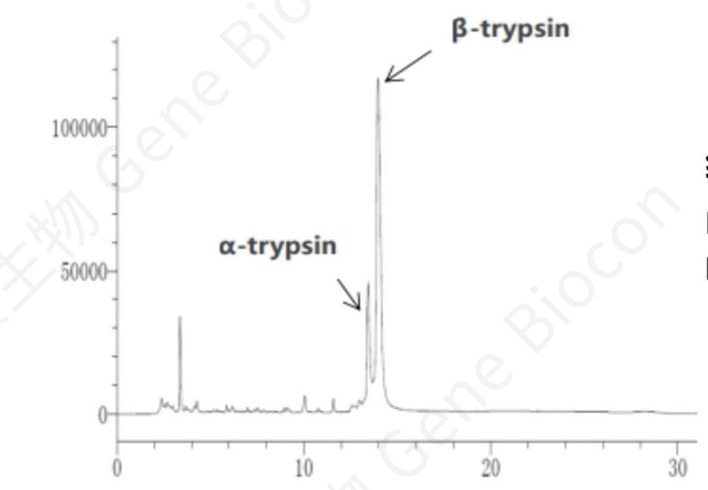
比活性测试 Specific activity test



极高纯度、高比例β构型、超高比活性

High purity, high proportion β configuration, high specific activity

SDS-PAGE图片 SDS-PAGE images



纯度≥95%，无杂蛋白、杂酶、脂类等

Purity above 95%, no miscellaneous protein, miscellaneous enzymes, lipids , etc

HPLC分析图谱 HPLC chromatogram

For research and industrial productionuse only. CAUTION: Not for human or animal therapeutic or diagnostic use.

重组赖氨酰内切酶（质谱级&生化级）

Recombinant Lysyl Endopeptidase (M.S. Grade & Biochemical Grade)

CAS：72561-05-8

简介 Introduction

本品是从重组大肠杆菌中分离纯化，经冷冻干燥得到的重组赖氨酰内切酶粉末。本品属于生物化学级别的基因工程，不含DFP、PMSF和TLCK等酶抑制剂，具有与天然赖氨酰内切酶相同的活力和特异性。

This product is a Recombinant Lysyl Endonuclease powder isolated and purified from Recombinant *E. coli* through a freeze-drying process. It is a biochemically grade genetically engineered enzyme containing no enzyme inhibitors such as DFP, PMSF, or TLCK. It exhibits the same activity and specificity as a natural lysyl endonuclease.

- 一种新型赖氨酰肽链内切酶及其制备方法 NO.：ZL201811392504.7
  A novel lysyl endopeptidase and preparation method thereof
- 一种新型赖氨酸特异性内切酶及其制备方法 NO.：ZL201811394022.5
  A novel lysine-specific endonuclease and preparation method thereof

优势 Features

单一主条带 (SDS-PAGE)	更高纯度	更高催化效率	更高比活
Single major band (SDS-PAGE)	Higher purity	Higher catalytic efficiency	Higher specific activity

应用 Usage

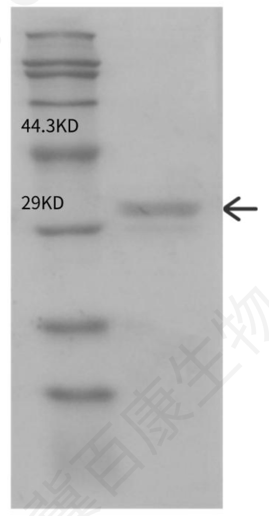
质谱级 M.S. Grade

- 可用于蛋白质分析
  Can be used for protein analysis
- 比活性≥3.0AU/mg pro.
  Specific activity ≥3.0AU/mg pro.

生化级 Biochemical Grade

- 可用于商业化试剂盒检测酶残留量
  Can be used to detect enzyme residues in commercial kits
- 可用于蛋白药物（如GLP-1药物）的生产
  Applied to the production of protein drugs, like GLP-1

比活性测试 Specific activity test

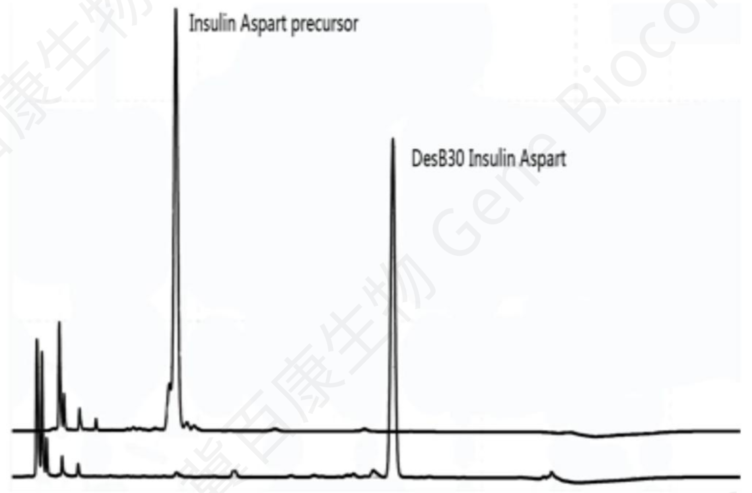


超高比活性，SDS-PAGE电泳，单一主条带

Ultra-high specific activity, SDS-PAGE electrophoresis, single main band

◀ SDS-PAGE图片 SDS-PAGE images

稳定性测试 Stability test



酶的比活性≥3.0AU/mg pro.
2AU酶即可完全酶切1g大多数融合蛋白

Enzyme specific activity ≥3.0AU/mg pro.
2AU enzyme can completely digest 1g of most fusion proteins

◀ SDS-PAGE 图片 SDS-PAGE images

*仅供科研和工业生产使用，不能用于人体

重组羧肽酶B 粉

Recombinant Carboxypeptidase B Powder

CAS：9025-24-5

简介 Introduction

本品是从重组毕赤酵母中分离纯化，再经冷冻干燥得到的重组羧肽酶 B 冻干粉。属于生物化学级别的基因工程酶，无外源性的病毒污染，不含 DFP、PMSF 和 TLCK 等酶抑制剂，具有天然羧肽酶 B 相同的活性和特异性。

This product is Recombinant Carboxypeptidase-B, presented as a lyophilized powder. It is separated and purified from Recombinant *Pichia Pastoris* and subsequently freeze-dried. This biochemical-grade enzyme is genetically engineered and free from exogenous viral contamination and enzyme inhibitors such as DFP, PMSF, and TLCK. It possesses the same activity and specificity as natural carboxypeptidase B.

优势 Features

纯度≥95%	比活性≥110U/mg pro.
Purity ≥95%	Specific activity ≥110U/mg pro.

应用 Usage

- 用于生物药物生产
  For bio-pharmaceutical production
- 用于抗体质量检测
  For antibody quality testing

重组肠激酶 粉&液

Recombinant Enterokinase Powder&Solution

CAS：9017-74-8

简介 Introduction

重组肠激酶采用重组毕赤酵母高效分泌表达技术，经多级层析纯化，制成的高纯度、高活性重组牛肠激酶，不含其他蛋白酶。

Recombinant Enterokinase is produced using the efficient secretion expression technology of recombinant *Pichia Pastoris*, and it is purified through multi-stage chromatography to yield a high-purity, highly active recombinant bovine enterokinase that is free from other proteases.

优势 Features

纯度≥95%	比活性≥1000U/mg pro.
Purity ≥95%	Specific activity ≥1000U/mg pro.

应用 Usage

- 可用于蛋白药物生产（如：胰岛素、GLP-1药物）
  Applied to the productionof protein drugs, like Insulin and GLP-1

重组Kex2蛋白酶 粉

Recombinant Kex2 Protease Powder

CAS：99676-46-7

简介 Introduction

本品采用重组毕赤酵母高效分泌表达技术，经分离纯化得到，高纯度、高活性的重组 KEX2 蛋白酶。

Using the recombinant *Pichia pastoris* efficient secretion expression technology, the Recombinant KEX2 protease with high purity and highly active was obtained by isolation and purification.

优势 Features

纯度≥95%	比活性≥10U/mg pro.
Purity ≥95%	Specific activity ≥10U/mg pro.

应用 Usage

- 可用于蛋白药物生产（如：胰岛素、GLP-1药物）
  Applied to the productionof protein drugs, like Insulin and GLP-1

重组人碱性成纤维细胞生长因子
Recombinant Human Basic Fibroblast Growth Factor

rh-bFGF **CAS：62031-54-3**

一种适用于细胞培养、创伤修复药品的生产等应用的生物活性蛋白质。bFGF 可调节细胞增殖、分化、存活、粘附、运动、凋亡、肢体形成和伤口愈合等多种过程。bFGF可用于成纤维细胞有丝分裂、PC-12 细胞的轴突生长、受体结合以及酪氨酸磷酸化研究。
本品系重组大肠杆菌表达、经多步分离纯化，再经冷冻干燥而制成的冻干粉。

Recombinant Human Basic Fibroblast Growth Factor (rh-bFGF) is a bioactive protein suitable for cell culture and the production of wound repair drugs. It can regulate multiple processes, such as cell proliferation, differentiation, survival, adhesion, motility, apoptosis, limb formation, and wound healing. Also, rhbFGF can be used in fibroblast mitosis, axon growth in PC-12 cells, receptor binding, and tyrosine phosphorylation.
This product is a lyophilized powder prepared by recombinant *E. coli* expression, which is then separated and purified through multiple steps before being freeze-dried.

应用 Usage

- 1mg蛋白的生物活性达到≥1.0x10^7U/mg
  The bioloigcial activity of 1 mg of protein reaches ≥1.0x10^7U/mg
- 用于配置无血清培养基、细胞培养
  Used for prepareing serum-free culture mediaand cell culture
- 可用于细胞培养肉
  Used in cell cultured meat
- 创伤修复药品的生产
  Trauma repair drugs production

重组人表皮细胞生长因子
Recombinant Human Epidermal Growth Factor

rh-EGF **CAS：62253-63-8**

重组人表皮生长因子（rh-EGF）是一种通过重组DNA技术产生的蛋白质。EGF可以与表皮和上皮细胞表面的特定受体结合。这种结合激活了一系列导致细胞增殖的细胞内信号通路。它在表皮和粘膜上皮的生长和更新中起着至关重要的作用。

Recombinant Human Epidermal Growth Factor(rh-EGF) is a protein produced through Recombinant DNA technology. EGF can bind to its specific receptors on the cell surface of epidermal and epithelial cells. This binding activates a series of intracellular signaling pathways that lead to cell proliferation. It plays a crucial role in the growth and renewal of the epidermis and mucosal epithelium.

应用 Usage

- 1mg蛋白的生物活性达到≥5.0x10^6U/mg
  The bioloigcial activity of 1 mg of protein reaches ≥5.0x10^6U/mg
- 用于配置无血清培养基、细胞培养
  Used for prepareing serum-free culture mediaand cell culture
- 可用于医疗器械
  Used in medical devices

重组牛碱性成纤维细胞生长因子
Recombinant Bovine Basic Fibroblast Growth Factor

rb-bFGF **CAS：62031-54-3**

重组牛碱性成纤维细胞生长因子（rb-bFGF）是一种生长因子，是一种具有一定氨基酸序列的多肽。碱性成纤维细胞生长因子具有很强的刺激细胞增殖、分化和迁移的能力。采用重组技术生产该因子，可以实现大规模生产。
本品由重组大肠杆菌表达，经多部分离纯化，再冷冻干燥而制成的冻干粉

Recombinant bovine basic fibroblast growth factor (rb-bFGF) is a growth factor. It is a polypeptide with a certain amino acid sequence. Basic fibroblast growth factor has a strong ability to stimulate cell proliferation, differentiation, and migration. Recombinant technology is used to produce this factor in a way that can achieve large-scale production. This product is a lyophilized powder prepared by recombinant *E. coli* expression, which is then separated and purified through multiple steps before being freeze-dried.

应用 Usage

- 1mg蛋白的生物活性达到≥1.0x10^7U/mg
  The bioloigcial activity of 1 mg of protein reaches ≥1.0x10^7U/mg
- 用于配置无血清培养基、细胞培养
  Used for prepareing serum-free culture mediaand cell culture

重组人胰岛素样生长因子
Recombinant Human Insulin-like Growth Factor

rh-IGF-1 **CAS：67763-96-6**

重组人胰岛素样生长因子-1是一种结构类似于胰岛素的蛋白质分子，在促进多种细胞的生长和分化方面起着至关重要的作用。它作用于各种细胞类型，包括肌肉细胞、骨细胞和神经细胞，同时还具有与胰岛素类似的合成代谢，促进葡萄糖和氨基酸进入细胞并增强蛋白质合成，这有助于肌肉建设和整体组织生长。此外，它还可以在一定程度上调节脂质代谢。

Recombinant Human insulin-like growth factor-1 is a protein molecule that is structurally similar to insulin. The rhiGF - 1 plays a crucial role in promoting the growth and differentiation of a wide range of cells. It acts on various cell types, including muscle cells, bone cells, and nerve cells. It also has an anabolic effect, similar to insulin. It promotes the uptake of glucose and amino acids into cells and enhances protein synthesis. This helps in muscle building and overall tissue growth. In addition, it can also regulate lipid metabolism to some extent.

应用 Usage

- 1mg蛋白的生物活性达到≥1.0x10^5U/mg
  The bioloigcial activity of 1 mg of protein reaches ≥1.0x10^5U/mg
- 可用于细胞培养、增强细胞繁殖、细胞生长和细胞分化
  Used in cell culture to enhance cell proliferation, cell growth and cell differentiation

重组人小分子胶原蛋白
Recombinant Humanized Small-molecule Collagen

简介 Introduction

GENE-BIOCON重组人小分子胶原蛋白是业界**率先提出小分子概念**的重组人胶原蛋白，该创新产品利用基因重组技术生产人类**III型**胶原蛋白片段，无副作用、无排异风险、无病毒风险、低免疫原性，是更安全的选择。
此外，实验测试表明，重组人小分子胶原蛋白在40°C下保存长达三个月仍保持稳定。这种多功能胶原蛋白可应用于皮肤护理和无菌无添加化妆品（可灭菌）等各个领域。

GENE-BIOCON's recombinant humanized small-molecule collagen is the first specialized small-molecule collagen in the industry. This innovative product utilizes genetic recombination technology to produce human type III collagen fragments. It is designed to have no side effects, no risk of rejection, no viral risks, and low immunogenicity, making it a safer option for use. Furthermore, experimental tests have demonstrated that the recombinant human micro-molecule collagen remains stable when stored at 40°C for up to three months. This versatile collagen can be applied in various fields, including skin care, and sterile, additive-free cosmetics (which are sterilizable).

1. 一种小分子胶原蛋白组合物及其制备方法和应用
NO.：ZL202211290782.8
A small molecule collagen composition and a preparation method and application thereof

油溶重组人小分子胶原蛋白
Oil Recombinant Humanized Small-molecule Collagen

简介 Introduction

首款上市的油溶性重组人小分子胶原蛋白原料，由5个分子组成，分子量从500到5000Da。该配方具有**易吸收**、**活性高**的优势，有效解决了胶原蛋白常见的吸收困难、生物活性低等问题。该产品拥有**双专利**，经过20多项功效测试，包括人体和细胞水平的评估。我们利用基因工程重组技术，在GMP标准化环境中通过精确的制药生产工艺创造出这种独特有效的原料。该工艺确保了其在皮肤修复、舒缓、抗衰老和美白方面的功效。它具有**来源可靠**、**生产工艺科学**、**成分安全**、**功效明确**等特点。

The first launched oil recombinant humanized small-molecule collagen raw material, composed of five molecules with a molecular weight ranging from 500 to 5000 Da. This formulation offers the advantages of easy absorption and high activity, effectively addressing common challenges associated with collagen—specifically, difficulties in absorption and low bioactivity. This product is backed by double patents and has undergone over 20 efficacy tests, including evaluations at both the human and cellular levels.
Using genetic engineering recombinant technology, we have created this unique and effective raw material through a precise pharmaceutical production process in a GMP-standardized environment. This process ensures its efficacy in skin repair, soothing, anti-aging, and whitening.It boasts a reliable source, a scientifically validated production process, safe ingredients, and clearly defined benefits.

1. 一种小分子胶原蛋白组合物及其制备方法和应用
NO.：ZL202211290782.8
A small molecule collagen composition and a preparation method and application thereof

2. 一种稳定的油溶多肽组合物及其制备方法和应用
NO.：ZL201910584254.5
A stable oil-soluble polypeptide composition and its preparation and application

优势 Features

01 500~5000Da，**五重分子量组合**，全肌理层透皮吸收
500~5000Da. Five molecular weight combinations, transdermal absorption through the entire skin texture layer

02 深层养护，**24小时不间断吸收**，持久修护受损肌肤
Deep maintenance, 24-hour non-stop absorption, long-lasting repair of damaged skin

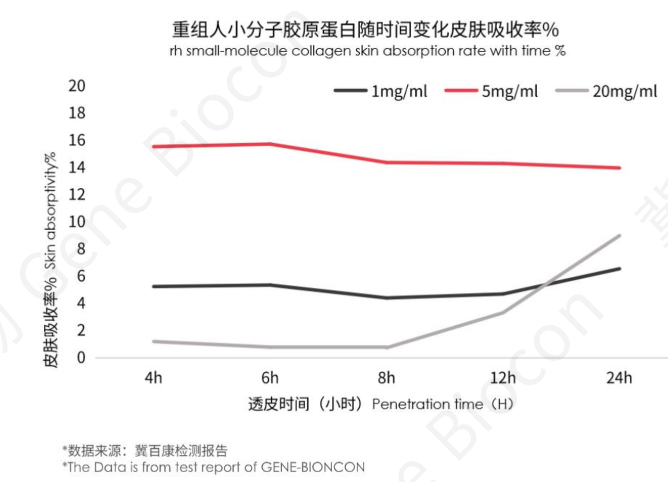
03 焕活修护力，再现健康肌肤光泽
Revitalizes repair power and restores healthy skin radiance

应用 Usage

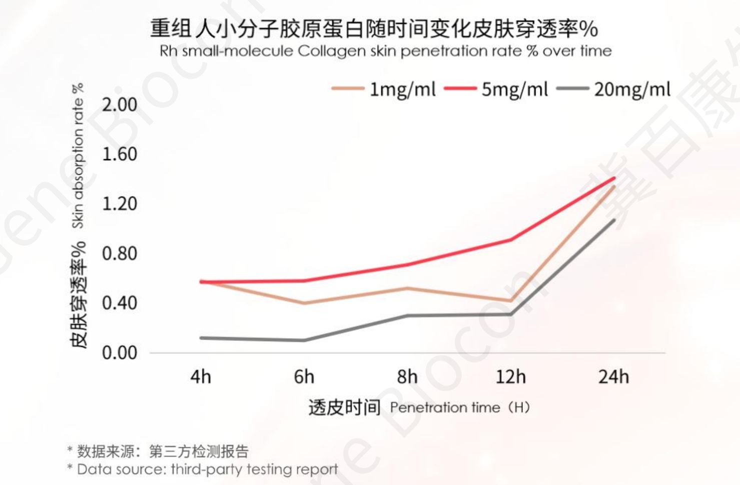
基础护肤 Basic skin care	功效护肤 Effective Skin Care	彩妆产品 Makeup products	毛发护理 Hair Care	唇部护理 Lip Care	私密护理 Women's intimate care

另外，身体护理、牙周护理等其他领域应用
In addition, applications in other fields such as body care and periodontal care.

透皮测试 Skin penetration test



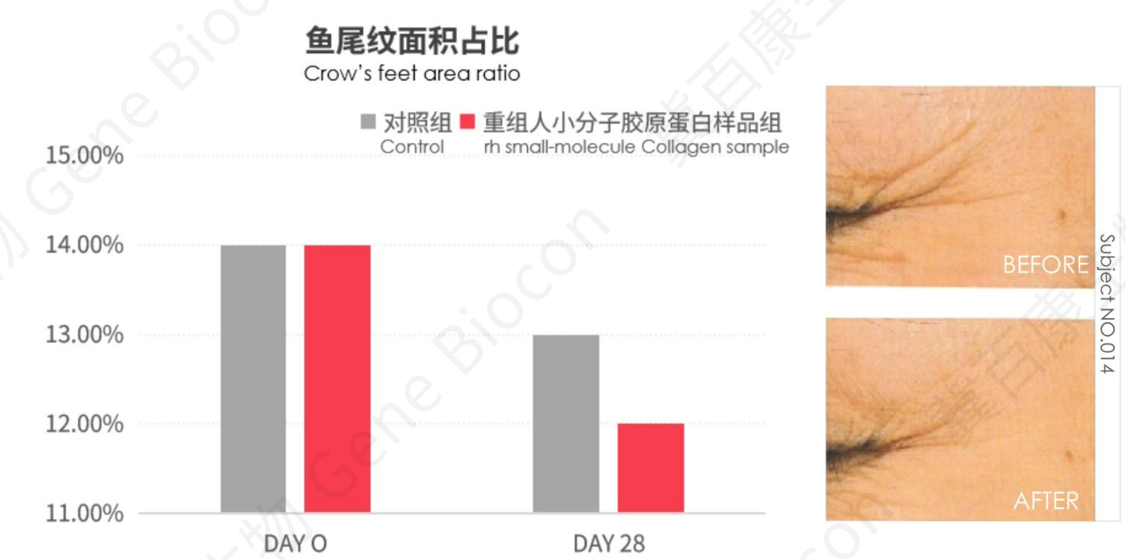
· 1、5、20mg/ml重组人小分子胶原蛋白在4-24小时内透皮都有明显上升趋势
The skin penetration rate of 1, 5, and 20 mg/ml rh small-molecule collagen has a significant upward trend within 4-24 hours.



· 重组人小分子胶原蛋白可持续24H渗透肌肤，深层养护
The rh small-molecule collagen continues penetrating for 24h, achieving deep maintainee effect.

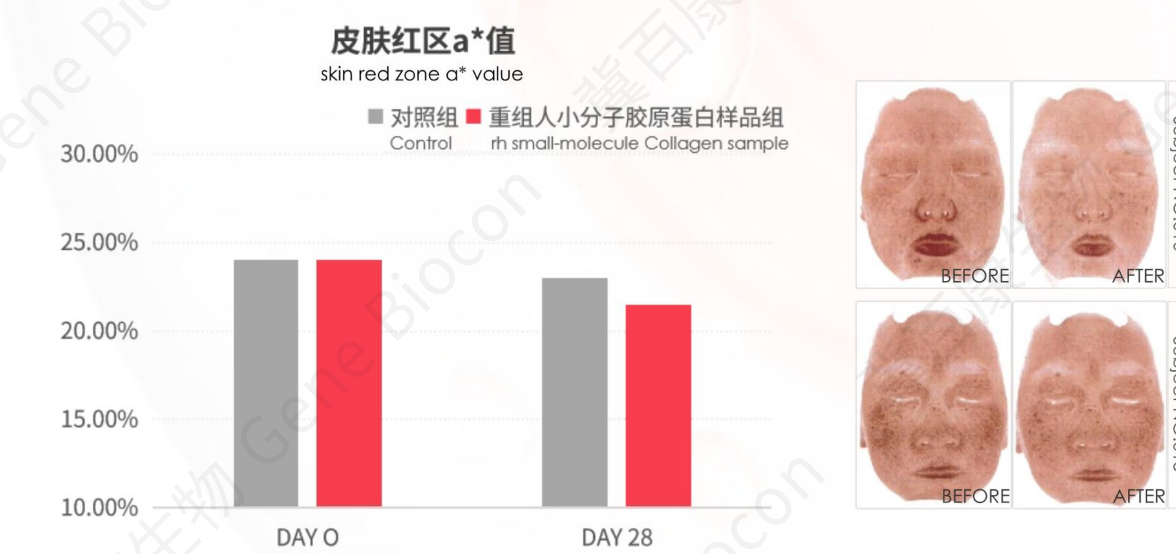
第三方人体功效测试 The third party body efficacy test

抗皱抗衰 Anti Wrinkle and Anti Aging



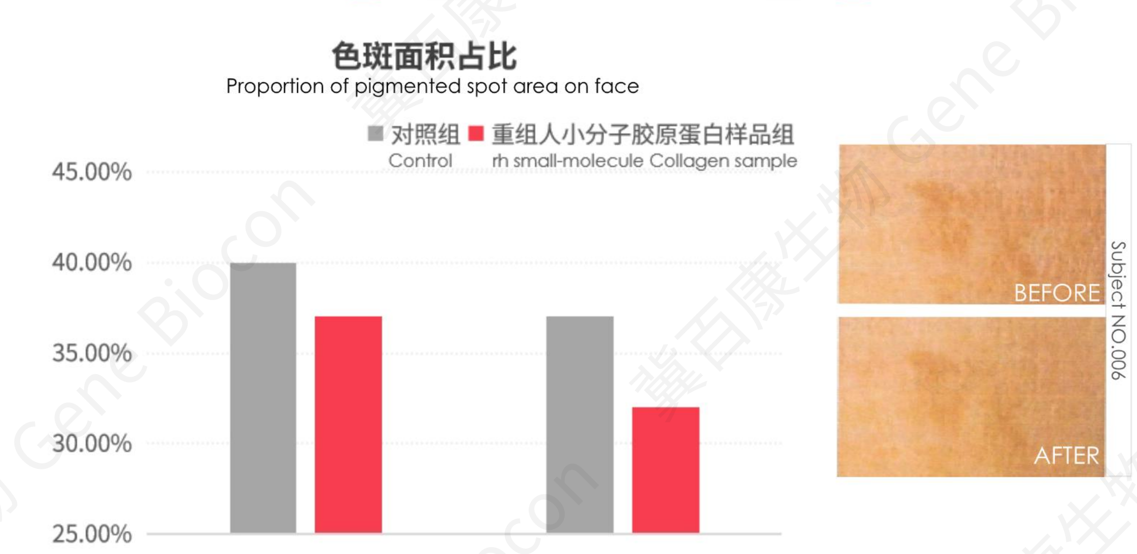
· 使用重组人小分子胶原蛋白样品28天后，鱼尾纹面积占比降低 14.53%
After using rh small-molecule Collagen sample for 28 days, the area ratio of crow's feet decreased by 14.53%.

褪红舒缓 Soothes Redness



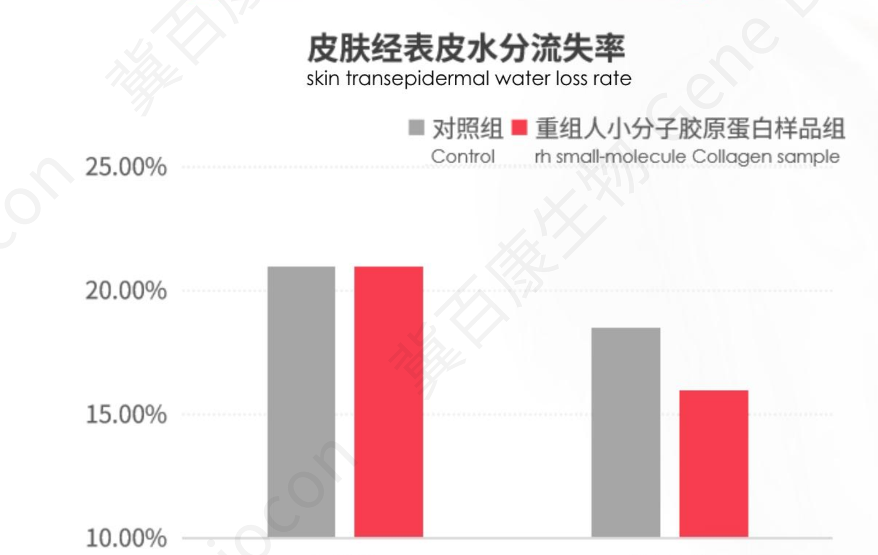
· 使用重组人小分子胶原蛋白样品28天后，皮肤红区a*值降低7.37%
After using rh small-molecule Collagen sample for 28 days, the a* value in the red area of the skin decreased by 7.37%.

焕白提亮 Whitening



· 使用重组人小分子胶原蛋白样品28天后，色斑面积占比降低 11.07%
After using rh small-molecule Collagen sample for 28 days, the proportion of facial spots decreased by 11.07%.

屏障修护 Barrier Repair



· 使用重组人小分子胶原蛋白样品28天后，皮肤经表皮水分流失率降低 25.09%
After using rh small-molecule Collagen sample for 28 days, the transepidermal water loss rate of the skin was reduced by 25.09%.

重组人超氧化物歧化酶(rhSOD)
Recombinant Human Suproxide Dismutase (rhSOD)

简介 Introduction

重组人超氧化物歧化酶提取自人SOD基因，经PCR扩增后在受体细胞中大量表达。经第三方测试发现其对蓝光给肌肤所造成损伤起关键保护作用；同时，可以有效清除自由基，清除沉积在皮肤中的色素沉淀物，激活深层细胞，增强细胞活性，起到深层抗衰抗氧化的作用。

The rh-Superoxide Dismutase was extracted from the human SOD gene and expressed in a large number of recipient cells using PCR amplification. Third-party test results indicate that it plays a crucial role in protecting the skin from blue light damage. It also effectively scavenges oxygen-free radicals, removes pigment deposits, activates deeper skin cells, and enhances skin activity.

1.一种具有抗蓝光功效的SOD组合物及其制备方法
NO.: ZL202210503117.6
A Kind of SOD Composition with Anti-bluelight Efficacy and Preparation Method Thereof

应用 Usage

医学领域/药用酶医学临床 Medical field, Medicinal Enzymes Medicine Clinical
彩妆产品 Makeup products
功效护肤 Effective Skin Care
保健品 Health Products
功能饮料 Energy Drinks
农业种植 Agricultural Planting
食品工业 Food Industry
环保领域 Environmental protection

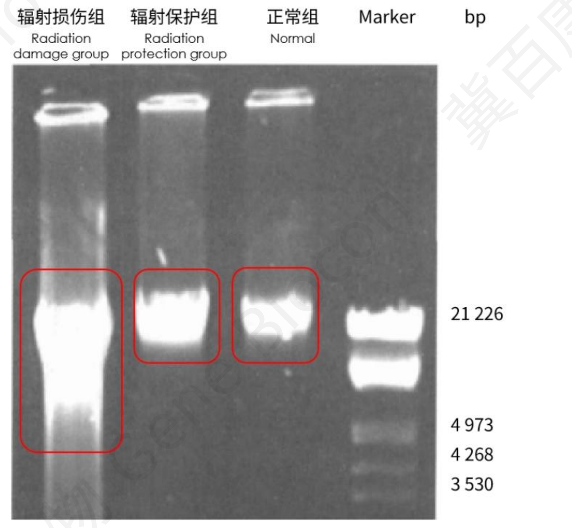
优势 Features

01 针对UV、蓝光辐射对皮肤损伤有预保护作用
Rhsod has a protective effect against UV and blue light radiation damage.

02 有效清除氧自由基，激活深层细胞，增强皮肤活性
Effectively remove oxygen free radicals, activate deep cells, and enhance skin activity

03 深层抗衰抗氧化，改善肌肤松弛
Deep anti-aging anti-oxidation, improve skin relaxation

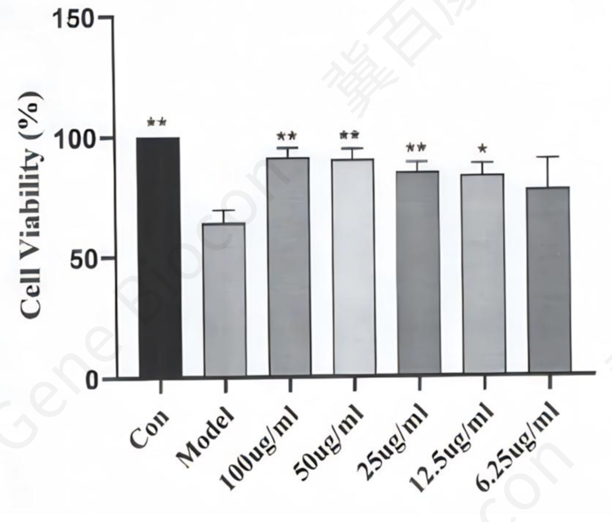
细胞功效测试 Cell efficacy test



*数据来源：赵花琴, 张晨, 刘元刚, 等. 融合蛋白 PTD—SOD 对紫外辐射引起的细胞损伤的保护作用[D]. , 2009.
* Data source: Huaqin Zhao, Chen Zhang, Yuangang Liu, et al. Protective effect of fusion protein PTD-SOD on cell damage induced by ultraviolet radiation [D]., 2009.

· SOD可以有效的保护细胞DNA
SOD can effectively protect cell DNA

功效测试 — 抗蓝光辐射
Efficacy test — resistance to blue light radiation



*数据来源：冀百康第三方检测报告
Data comes from Gene-biocon third-party test report

· rh SOD对蓝光损伤肌肤修复功效明显
rh SOD has an significant effect of anti-blue light

专利油溶技术
Patented Oil-soluble technology

简介 Introduction

冀百康生物的研发部门针对功效原料对温度敏感、容易变色、不含水相、应用范围受限等问题，研制出了一种稳定的油溶多肽组合物，解决多肽常见问题的同时，**增强了功效原料的稳定性&兼容性**，更**扩大了功效原料在油溶性化妆品领域的应用**。

Gene-Biocon's R&D department has developed a stable oil-soluble peptide composition designed to address various issues associated with functional raw materials, such as temperature sensitivity, discoloration, lack of an aqueous phase, and a limited range of applications. This innovative formulation enhances the stability & compatibility of functional raw materials, thereby expanding their application in oil-soluble cosmetics.

1.一种稳定的油溶多肽组合物及其制备方法和应用
NO.: ZL201910584254.5
A stable oil-soluble polypeptide composition and its preparation and application

淡化皱纹 FADE WRINKLES
- 油溶重组人小分子胶原蛋白 Oil-rh Small-molecule Collagen
- 透明油溶S-玻色因 PureS-OilProX
- 油溶即时祛皱肽 Oil Instant Anti-Wrinkle Peptide
- 油溶棕榈酰三肽-1/棕榈酰五肽-4 Oil Palmitoyl Tripeptide-1 / Oil Palmitoyl Pentapeptide-4

屏障修复 REPAIR SKIN BARRIERS
- 油溶铜肽 Oil Copper Tripeptide-1
- 油溶舒敏复颜肽 Oil Antiflamin
- 油溶棕榈酰四肽-7 Oil Palmitoyl Tetrapeptide-7
- ...

焕白提亮 WHITENING
- 油溶烟酰胺 Oleonic
- 油溶九肽-1 Oil Nanopeptide-1
- ...

更多产品，请联系业务同事
To learn more about our products, please consult your business colleagues

优势 Features

01 4小时实现吸收率提升2倍
Absorption rate has a two-fold increase within 4 hours

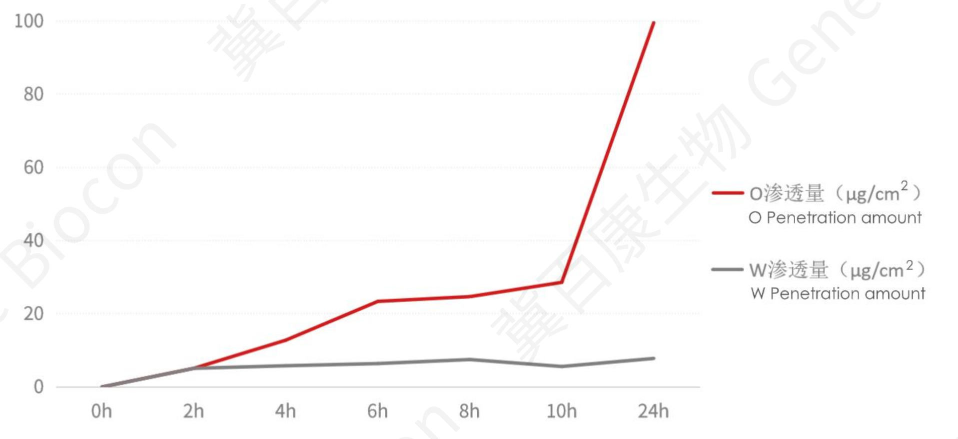
02 与常见油脂兼容性强
Strongly compatible with common oil

03 高温稳定配伍性强
High-temperature stability and strong compatibility

应用 Usage

基础护肤 Basic skin care
功效护肤 Effective Skin Care
彩妆产品 Makeup products
唇部护理 Lip Care
身体护理 Body Care
毛发护理 Hair Care
头皮护理 Scalp Care

测试 — 经皮渗透率
Test - Transdermal Permeability

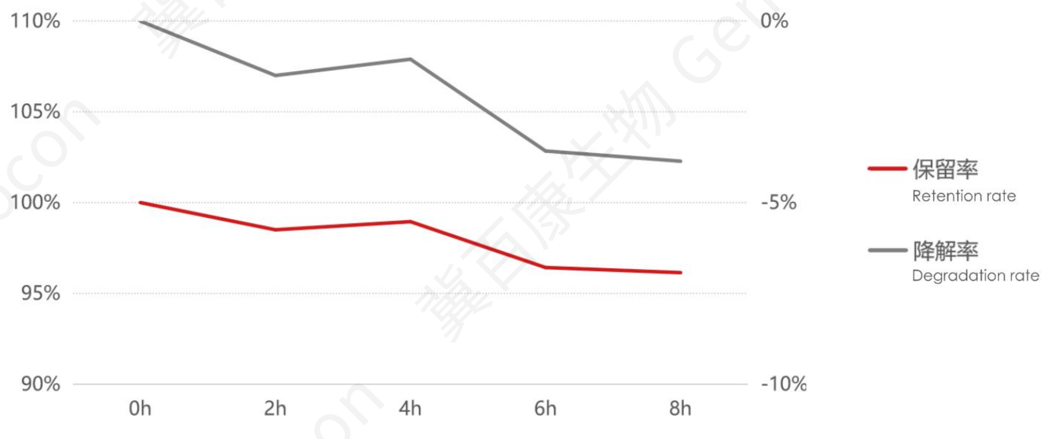


*数据来源：冀百康检测报告
*The Data is from test report of GENE-BIONCON

· 4h左右油溶剂型（以类蛇毒肽为例）渗透效率约为水溶剂型2倍，10h左右约为5倍，24h时前者比后者渗透量高出10倍

The permeation efficiency of oil-soluble solvent (taking Gebiotide®SYN as an example) is twice that of water-soluble after 4 hours and it is 5 time after 10 hours. The permeability of the former is 10 times higher than that of the later at 24 hours.

测试 — 高温肽含量稳定性
Test – High Temperature Peptide Content Stability



*数据来源：冀百康检测报告
*The Data is from test report of GENE-BIONCON

· 油溶多肽（以油溶棕榈酰四肽-7为例）**可耐受高温**90°C的特殊配制或灌装工艺条件

Oil-soluble polypeptide (taking oil palmitoyl tetrapeptide-7 as an example) can be specially formulated or in canning process at 90°C.

抗炎修护 维稳肌底

Anti-oxidant, brightening, deep nourishment

98%二裂酵母发酵产物溶胞物

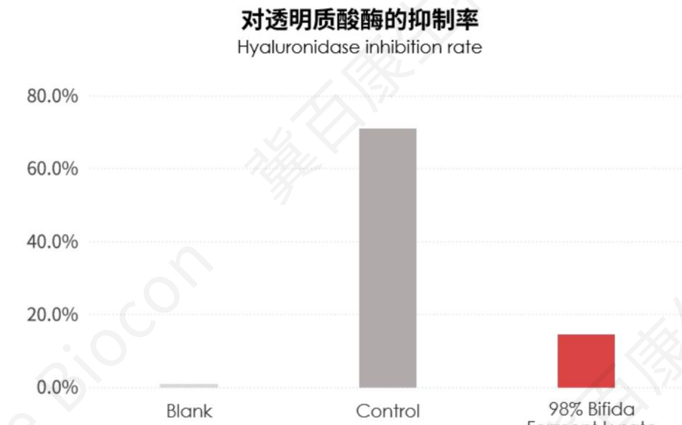
98% Bifida Ferment Lysate

冀百康生物自主研发生产的高浓度98%二裂酵母发酵产物溶胞物，是经双歧杆菌培养、灭活及分解得到的代谢产物等组分及多糖复合体。具有很强的抗免疫抑制活性，并能促进 DNA 修复，可有效保护皮肤，不受紫外线引起的损伤，用于乳化、水基及水醇体系的护肤、防晒及晒后护理产品，帮助预防表皮及真皮的光老化。

The 98% bifid yeast fermentation independently developed and produced by Gene-Biocon is a metabolite and other components and polysaccharide complexes obtained through the cultivation, inactivation and decomposition of bifidobacteria. It has strong anti immunosuppressive activity and can promote DNA repair, which can effectively protect the skin from damage caused by ultraviolet rays.It is used in emulsified, water-based and water-alcoholic skin-care, sunscreen and for-sun care products to help prevent epidermis and photoaging of the dermis.

功效测试 — 舒缓维稳

Efficacy test - Transdermal Permeability



*数据来源：冀百康检第三方测报告
*The Data is from test report of GENE-BIONCON's third party

· 使用含**0.5%**浓度的98%二裂酵母发酵产物溶胞物即有明显舒缓功效

The use of 98% Bifida Ferment Lysate at 0.5% concentration has obvious soothing effects.

功效测试 — 减少炎症

Efficacy test - Reduces inflammation

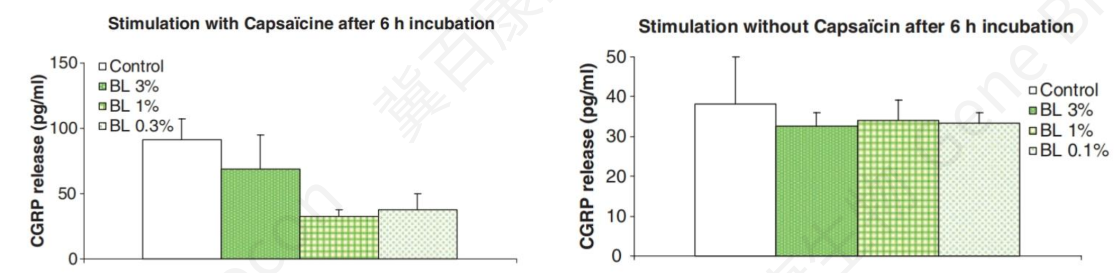


Figure 2. Effect of 6 h preincubation with BL bacterial extract on capsaicin-induced CGRP release by sensory neurones.

Figure 1. Effect of BL bacterial extract on spontaneous CGRP release after 6 h incubation with sensory neurones.

参考文献：Bifidobacterium longum lysate, a new ingredient for reactive skin
Audrey Guéniche, Philippe Bastien, Jean Marc Ovigne, Michel Kermici, Guy Courchay, Veronique Chevalier, Lionel Breton, Isabelle Castiel-Higounenc

· 98%二裂酵母发酵产物溶胞物能**有效抑制**神经元细胞（神经末梢）释放CGRP，舒缓肌肤

Bifida Ferment Lysate can effectively inhibit the release of CGRP from neuronal cells (nerve terminals) and soothe the skin.

抗氧提亮 深层淡纹

Anti-oxidant, brightening, deep nourishment

大米发酵产物滤液

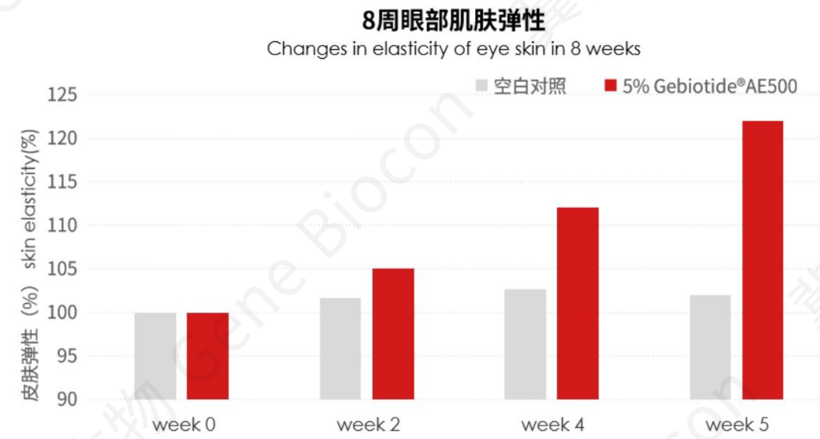
Rice Fermentation Product Filtrate AE500

Gebiotide生物发酵产物系列中的大米发酵产物滤液(AE500)，本身含有多种有效成分及在发酵过程中合成的活性物质，营养丰富，且安全性高。长期使用具有防晒、祛斑、减少粉刺、防止皮肤老化等功效，起到滋养皮肤、减少皱纹等护肤作用。可添加到各类抗氧化，减少皱纹的产品中，如精华液、水、乳、化妆品等。

Gebiotide rice fermentation product filtrate (AE500) contains a variety of active ingredients and substances that are synthesized during the fermentation process. It is rich in nutrients and highly secure. Long-term use can provide benefits such as sun protection, freckle removal, acne reduction, and prevention of skin aging. Additionally, it offers skin care effects by nourishing the skin and reducing wrinkles. This product can be added to various anti-oxidation and wrinkle-reducing formulations, including essences, toners, creams, cosmetics, and more.

功效测试 — 淡化细纹

Test - Transdermal Permeability



*数据来源：冀百康检第三方测报告
*The Data is from test report of GENE-BIONCON's third party

· 使用含**5%**AE500的精华液，测试8周效果，眼部肌肤的弹性明显提升，达到**20%**

Use seminal fluid containing 5% of Gebiotide Rice Fermentation Product Filtrate AE500； After testing the effect for 8 weeks, the elasticity of eyes skin was significantly improved by 20%.

应用 Usage

- 基础护肤 Basic skin care
- 功效护肤 Effective Skin Care
- 毛发护理 Hair Care
- 牙齿护理 Tooth Care
- 身体护理 Body care

科学复配 精准肌理 量肤定制 优化成本

Scientific compounding , Precise skin texture analysis , Customized skincare based on individual skin conditions , cost optimization.

抗衰抗皱 ANTI-AGING AND ANTI-WRINKLE

油溶逆时光肽

Oil WrinkleAway Peptide

创新双专利产品，即时+长效淡纹，补+促胶原蛋白合成，分层靶向精准淡纹。

Innovative double patented products.
Layered targeted anti-wrinkle function, precise skincare.

○ 核心成分

- ✓ 重组人小分子胶原蛋白 rh Small-molecule Collagen
- ✓ 乙酰基六肽-8 Acetyl Hexapeptide-8
- ✓ 类蛇毒肽 Dipeptide Diaminobutyroyl Benzylamide Diacetate
- ✓ 即时祛皱肽 Conopeptide

伊人密码

BeautyCode Peptide

八效活性肽奢养成分，强化皮肤结构，增加皮肤弹性，令肌肤亮泽透光。

Multi-path anti-wrinkle and anti-aging, repairs damaged skin.
Strengthen skin structure, increase skin elasticity and whiten skin;

○ 核心成分

- ✓ 寡肽-1 Oligopeptide-1
- ✓ 棕榈酰三肽-1 Palmitoyl tripeptide-1
- ✓ 棕榈酰五肽-4 Palmitoyl pentapeptide-4
- ✓ 乙酰基六肽-8 Acetyl hexapeptide-8
- ✓ 铜肽 Copper peptide
- ✓ 六肽-9 Hexapeptide-9
- ✓ 九肽-1 Nonapeptide-1
- ✓ 肌肽 Carnosine

舒缓修护 SOOTHING AND REPAIR

胶原修护肽

Repair Coll-peptide

全方位修护受损皮肤，提升皮肤的健康状态和美观度。

Fully repairs damaged skin, improves skin health and beauty;
Soothing and damage repairing, increasing wound healing.

○ 核心成分

- ✓ 重组人小分子胶原蛋白 rh Small-molecule Collagen
- ✓ 寡肽-1 Oligopeptide-1
- ✓ 寡肽-2 Oligopeptide-2
- ✓ 寡肽-3 Oligopeptide-3
- ✓ 寡肽-5 Oligopeptide-5

油溶舒敏复颜肽

Oil Antiflamin

溶于油性基质的抗皱修复组合产品。可减轻炎症对皮肤皱纹的加深，同时促进胶原蛋白合成

An anti-wrinkle and repair combination product based on oily substrates. It can significantly reduce the level of inflammatory factors, reduce the deepening of skin wrinkles caused by inflammation, and promote collagen synthesis;

○ 核心成分

- ✓ 棕榈酰三肽-1 Palmitoyl Tripeptide-1
- ✓ 棕榈酰四肽-7 Palmitoyl Tetrapeptide-7

焕白提亮 WHITENING

皓玉凝肌肽

Priwhitein

三重祛黄强效成分组合，含有SOD。具有强效祛黄和提亮肤色的作用。

Whitening and antiyellowing, anti-oxidation and anti-saccharification, preventing skin from UV light.

○ 核心成分

- ✓ 重组人超氧化物歧化酶 rhSOD
- ✓ 肌肽 Carnosine
- ✓ 九肽-1 Nonapeptide-1

皓玉盈颜肽

Whiten Peptide

淡化黄气、抗氧化复配产品，加快衰老细胞代谢。

Whitening and suppressing blackness, anti-oxidation, and accelerating metabolism.

○ 核心成分

- ✓ 九肽-1 Nonapeptide-1
- ✓ 酵母菌溶胞物提取物 Saccharomyces Lysate

眼部护理 EYE CARE

俏眼明眸肽

CharmingEye Peptide

专利工艺制备多肽成分复配，有效改善黑眼圈、眼袋。

A combination of peptide ingredients prepared by a patented process, effectively improve dark circles, bags under the eyes

○ 核心成分

- ✓ 二肽-2 Dipeptide-2
- ✓ 乙酰基四肽-5 Acetyl Tetrapeptide-5
- ✓ 乙酰基四肽-8 Acetyl Hexapeptide-8
- ✓ 棕榈酰五肽-4 Palmitoyl Pentapeptide-4

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To learn more about our products, please consult your business colleagues...

定制服务
ODM/CDMO SERVICES

工程菌构建类服务
Engineering bacteria construction services

客户需求 Customer demand → 项目评估 Project evaluation → 合作协议 Cooperation agreement → 菌株构建 Bacteria construction → 菌株筛选 Bacteria screening → 菌株检定 Bacteria verification → 交付 Delivery

重组蛋白类定制
Recombinant protein customization

客户需求 Customer demand → 项目评估 Project evaluation → 合作协议 Cooperation agreement → 工艺验证 Process verification → 批量生产 Mass production → 交付 Delivery

药物工艺开发类服务
Medicine Development Service

客户需求 Customer demand → 项目评估 Project evaluation → 合作协议 Cooperation agreement → 路线筛选 Route screening → 工艺优化 Process optimization → 工艺验证 Process verification → 工艺转移 Process transfer

美肌配方类定制
Beauty formula customization

客户需求 Customer demand → 项目评估 Project evaluation → 合作协议 Cooperation agreement → 工艺验证 Process verification → 批量生产 Mass production → 交付 Delivery


4000㎡符合国际GMP标准的生产车间
4000㎡ production facility that complies with international GMP standards


800㎡蛋白纯化车间
800㎡ protein purification workshop


ISO9001质量管理体系认证
ISO9001 Quality Management System Certification


3.2吨发酵罐
3.2 tons of fermentation tank