



**GENE BIOCON**

# Pharmaceutical Intermediates Series

Highly Active Biological Raw Materials

Biological medicine raw materials

Cell Growth Factor



















Genetically engineered enzymes

Zhuhai Gene-Biocon Biological Technology Co., Ltd.

Version 2024











## For: Production of Biological Medicines

CATEGORY	CAS	SPEC	APPLICATION	FEATURES
Insulin Degludec    	844439-96-9	10g/Vial 100g/Vial 500g/Vial	<ul style="list-style-type: none"> <li>Used in type II diabetes treatment.</li> </ul>	<ul style="list-style-type: none"> <li>Ultra-long-acting insulin, duration of efficacy up to 42hs.</li> <li>Expressed in recombinant Yeast. <b>Purity ≥ 99%</b>.</li> </ul>
Insulin Aspart   	116094-23-6	10g/Vial 100g/Vial 500g/Vial	<ul style="list-style-type: none"> <li>Used in type I and type II diabetes treatment.</li> </ul>	<ul style="list-style-type: none"> <li>Fast acting insulin, starts to work in about 15 minutes after injection.</li> <li>Expressed in recombinant Yeast. <b>Purity ≥ 99%</b>.</li> </ul>
Semaglutide   	910463-68-2	10g/Vial 100g/Vial 500g/Vial	<ul style="list-style-type: none"> <li>Used in type II diabetes treatment; weight-loss</li> </ul>	<ul style="list-style-type: none"> <li>Ultra-long-acting GLP-1 Analogues, can be made into oral preparation and injection. Oral preparation once per day, Injection once a week.</li> <li>Expressed in Recombinant E. Coli. <b>Purity ≥ 99%</b>.</li> </ul>
Semaglutide Intermediate P29 (GLP-1(9-37))    	1169630-82-3	10g/Vial 100g/Vial 500g/Vial	<ul style="list-style-type: none"> <li>Utilized in the production and development of Semaglutide.</li> </ul>	<ul style="list-style-type: none"> <li>Expressed in Recombinant E. Coli.</li> <li><b>Purity ≥ 95%</b>.</li> <li>Produced by Biotechnological with GMP standards.</li> </ul>
Tirzepatide    	2023788-19-2	1g/Vial 100g/Vial	<ul style="list-style-type: none"> <li>Used in II diabetes treatment; weight-loss</li> </ul>	<ul style="list-style-type: none"> <li>Small difference between batches, stable quality.</li> <li><b>Purity ≥ 99%</b></li> </ul>



## For: Production of Vaccine and GLP-1 Drugs, Cell Dispersion, Protein Analysis

CATEGORY	CAS	SPEC	APPLICATION	FEATURES
Recombinant Trypsin (Cell culture Grade)    	9002-07-7	1g/Vial 10g/Vial 100g/Vial	<ul style="list-style-type: none"> <li>Vaccine production;</li> <li>Cell therapy;</li> <li>Cell dispersion in cell culture.</li> </ul>	<ul style="list-style-type: none"> <li>Expressed in Recombinant Yeast with low endotoxin;</li> <li>Comply will USP42 and Ch.P 2020;</li> <li>Specific activity ≥ <b>3800USP units/mg pro.</b></li> </ul>
Recombinant Trypsin (Pharmacopoeia Grade)    		1g/Vial 10g/Vial 100g/Vial	<ul style="list-style-type: none"> <li>Biologics production (such as insulin and GLP-1 drugs);</li> <li>Protein Analysis;</li> <li>Cell dispersion in cell culture.</li> </ul>	<ul style="list-style-type: none"> <li>Expressed in Recombinant Yeast;</li> <li>Comply will USP42 and Ch.P 2020;</li> <li>Specific activity ≥ <b>3800USP units/mg pro.</b></li> </ul>



New product



Comply with GMP guidelines



ISO 9001



Patented product



No animal origin



# For: Production of Vaccine and GLP-1 Drugs, Cell Dispersion, Protein Analysis

CATEGORY	CAS	SPEC	APPLICATION	FEATURES
Recombinant Trypsin (1:250)	9002-07-7	100g/Vial	<ul style="list-style-type: none"> <li>Cell dissociation in cell culture passage and primary tissue dissociation, such as the production of human or veterinary vaccine.</li> </ul>	<ul style="list-style-type: none"> <li>No animal origin, low cost of use, instead of traditional animal extracted Trypsin(1:250);</li> <li>Specific activity <b>≥ 80USP units/mg powder.</b></li> </ul>
Recombinant Heat-stable Trypsin		100g/Vial 1g/Vial	<ul style="list-style-type: none"> <li>Production of heat-stable trypsin dispersion solution;</li> <li>Production of biologics.</li> </ul>	<ul style="list-style-type: none"> <li>Expressed in Recombinant Yeast;</li> <li>Highly heat-stable.</li> <li>Specific activity <b>≥ 2500 USP units/mg</b></li> </ul>
TrypRE select (1x)		100ml/Vial 500ml/Vial	<ul style="list-style-type: none"> <li>Used in various types of cell digestion.</li> </ul>	<ul style="list-style-type: none"> <li>Storage at 2~8°C, no need to be thawed when using.</li> <li>Specific <b>activity ≥ 200 USP units/ml</b></li> </ul>
Recombinant Lysyl Endopeptidase(Biochemical Grade)	72561-05-8	100AU/Vial 1000AU/Vial	<ul style="list-style-type: none"> <li>Biological medicine production (such as insulin, GLP-1 drugs)</li> </ul>	<ul style="list-style-type: none"> <li>Patented technology products;</li> <li>High purity and high catalytic efficiency;</li> <li>Specific activity <b>≥ 2.5AU/mg pro.</b></li> </ul>
Recombinant Lysyl Endopeptidase (M.S. Grade)		5AU/Vial 10AU/Vial	<ul style="list-style-type: none"> <li>Protein analysis</li> </ul>	<ul style="list-style-type: none"> <li>High purity and high specific activity;</li> <li>Specific activity <b>≥ 3.0AU/mg pro.</b></li> </ul>
Recombinant Carboxypeptidase B	9025-24-5	100mg/Vial 1g/Vial	<ul style="list-style-type: none"> <li>Biological medicine production;</li> <li>Quality testing of antibodies</li> </ul>	<ul style="list-style-type: none"> <li>Expressed in Recombinant Yeast with no animal origin;</li> <li>Specific Active <b>≥ 150U/mg pro.</b></li> </ul>
Recombinant Enterokinase	9017-74-8	1KU/Vial 10KU/Vial	<ul style="list-style-type: none"> <li>Enzyme digestion for fusion proteins;</li> <li>Biological medicine production.</li> </ul>	<ul style="list-style-type: none"> <li>Expressed in Recombinant Yeast, enzyme solution, easy to use.</li> <li>Activity <b>≥ 5.0U/μl.</b></li> </ul>
Recombinant Enterokinase Freeze-dried Powder		100mg/Vial		<ul style="list-style-type: none"> <li>Expressed in Recombinant Yeast. Freeze-dried powder, high stability.</li> <li>Specific active <b>≥ 1000U/mg pro.</b></li> </ul>
Recombinant Kex2 Protease	99676-46-7	100mg/Vial 1g/Vial	<ul style="list-style-type: none"> <li>Enzyme digestion for fusion proteins;</li> <li>Biological medicine production.</li> </ul>	<ul style="list-style-type: none"> <li>Expressed in Recombinant Yeast.</li> <li>Specific activity <b>≥ 10U/mg pro.</b></li> </ul>
Penicillinase	9001-74-5	100MU/Vial 1000MU/Vial 5000MU/Vial	<ul style="list-style-type: none"> <li>Remove antibiotic residues;</li> <li>Sterility detection of β-lactam antibiotics.</li> </ul>	<ul style="list-style-type: none"> <li>Expressed in Recombinant E. Coli.</li> <li>Freeze-dried powder, high stability.</li> <li>Activity <b>≥ 2.0x10<sup>6</sup> USP units/mg powder.</b></li> </ul>
Penicillinase solution		15MU/Vial 150MU/Vial 1500MU/Vial		<ul style="list-style-type: none"> <li>Expressed in Recombinant E. Coli.</li> <li>Enzyme solution, easy to use.</li> <li>Activity <b>≥ 3.0x10<sup>6</sup> USP units/ml.</b></li> </ul>



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## Used in cell culture and cultured meat

CATEGORY	CAS	SPEC	APPLICATION	FEATURES
Recombinant Human Basic Fibroblast Growth Factor (bFGF)   	62031-54-3	10mg/Vial 100mg/Vial	<ul style="list-style-type: none"> <li>Dispensing Serum-free medium for cell culture;</li> <li>Trauma repair drugs production.</li> </ul>	<ul style="list-style-type: none"> <li>Expression in Recombinant <i>E. Coli</i>.</li> <li>Specific activity <math>\geq 1.0 \times 10^7</math> U/mg protein.</li> </ul>
Recombinant Bovine Basic Fibroblast Growth Factor (rbbFGF)   		500mg/Vial 1g/Vial	<ul style="list-style-type: none"> <li>Used in cell culture;</li> <li>Cultured meat production.</li> </ul>	<ul style="list-style-type: none"> <li>Expression in Recombinant <i>E. Coli</i>.</li> <li>Specific activity <math>\geq 1.0 \times 10^7</math> U/mg protein.</li> </ul>
Recombinant Human Epidermal Growth Factor (EGF)   	62253-63-8	10mg/Vial 100mg/Vial 1g/Vial	<ul style="list-style-type: none"> <li>Dispensing Serum-free medium for cell culture;</li> <li>Medical devices, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Expression in Recombinant Yeast.</li> <li>Specific activity <math>\geq 5.0 \times 10^6</math> U/mg protein.</li> </ul>
Recombinant Human Insulin-like Growth Factor (IGF-1)   	67763-96-6	1mg/Vial 10mg/Vial 100mg/Vial	<ul style="list-style-type: none"> <li>Dispensing Serum-free medium and Cell culture.</li> </ul>	<ul style="list-style-type: none"> <li>Expression in Recombinant Yeast.</li> <li>Specific activity <math>\geq 1.0 \times 10^5</math> U/mg protein.</li> </ul>

\*The above products are only for scientific research and production applications and cannot be used directly on the human body. The actual parameters are based on each batch's COA; If you need to customize, please contact the sales personnel. Zhuhai Gene-Biocon Biological Technology Co., Ltd. reserves the right of final interpretation.



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**GENE-BIOCON**

Highly Active Biological Raw Materials

**Contact Us**

Biological medicine raw materials

Cell Growth Factor

Genetically engineered enzymes

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