

CERTIFICATE OF ANALYSIS

Product Information

Product Name: Recombinant Human Long Arg3 Insulin-like Growth Factor-I

Lot No. : 20240425

Storage at: -20°C for 2 years

Quality Control

Test Items	Specifications	Results
Physical Appearance	white powder	Conformed
Molecular Weight	9111±2Da	9112Da
Purity (SDS-PAGE)	>95%	98.5%
Purity (RP-HPLC)	> 95%	95.52%
Bioactivity (Murine BALB/C3T3 Cells) proliferation assay	N/A	2.0×10 ⁵ IU/ml
Concentration (Lowry Method)	N/A	1.0mg/ml
Specific Activity	> 1.0×10 ⁵ IU/mg	2.0×10 ⁵ IU/mg
Bacterial Endotoxin	<0.1ng/ μg	<0.1ng/ μg
First Five N-terminal Amino acids	Met-Phe-Pro-Ala-Met	Met-Phe-Pro-Ala-Met
Protein content	report	21.10%

Caution: For laboratory use only. Not for human use.

Analysis :Janie.zhang

Approved by : Christ.zheng

Date : 2024. 04. 27

Date : 2024. 04. 27