

CERTIFICATE OF ANALYSIS

Product Information

Product Name: Recombinant Human Long Arg3 Insulin-like Growth Factor-I
Lot No.: 20240606
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%	97.38%
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	20.40%

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