

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name: Insulin-like growth factor I (IGF-I), Human

Cat. No.: Z03017-10; Z03017-50; Z03017-1

Lot No.: P50051607

Size: 10 µg/vial; 50 µg/vial; 1 mg/vial

Storage Condition: Lyophilized recombinant human Insulin-like growth factor I (rhIGF-I) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, rhIGF-I should be stable up to 2 weeks at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (0.1% HSA or BSA) be added. Avoid repeated freeze-thaw cycles.

### Quality Control

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE&HPLC)	> 95%	Conformed
Biological Activity (ED <sub>50</sub> )	< 5 ng/mL	1.37 ng/mL
Molecular Weight	7.7 kDa	Conformed
Bacterial Endotoxin	< 0.2 EU/µg	Conformed

### Caution:

For laboratory use only. Not for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188.

Certified by: Joe Wang Date: 07/25/2016

Protein Products Department