

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name: LR<sup>3</sup> Insulin-like Growth Factor-1(IGF-1) , Human

Cat. No.: Z03177-100; Z03177-1;

Lot No.: P50041606

Size: 100 µg/vial; 1 mg/vial

Storage Condition: Lyophilized recombinant human Long R<sup>3</sup> Insulin-like Growth Factor-1 (rhLR<sup>3</sup>IGF-1) remains stable up to 6 months at lower than -70°C from date of receipt. Stock solution of peptide can be stored for at least 3 months at -20°C. Avoid repeated freeze-thaw cycles.

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### Quality Control

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE)	> 95%	Conformed
Biological Activity (ED <sub>50</sub> )	< 10 ng/mL	Conformed
Molecular Weight	9.1 kDa	Conformed
Bacterial Endotoxin	< 1 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: 07/06/2016  
Protein Products Department