

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name: IL-11, Human

Cat. No.: Z03108-5; Z03108-25; Z03108-1

Lot No.: B60041802

Size: 5 µg/vial; 25 µg/vial; 1mg/vial

Storage Condition: Lyophilized recombinant Human IL-11 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, rhIL-11 should be stable up to 1 week at 4°C or up to 2 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) can be added. 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%	98.2%
Biological Activity(ED <sub>50</sub> )	< 5 ng/ml	0.38 ng/ml
Molecular Weight	~23 kDa	Conformed
Bacterial Endotoxin	< 0.2 EU/µg	0.10EU/µg

### 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: zh.cui Date: 03/02/2018  
Protein Products Department