

## CERTIFICATE OF ANALYSIS

### Product Information

---

Product Name: Interleukin-4 (IL-4), Mouse

Cat. No.: Z02996-10; Z02996-50; Z02996-1

Lot No.: B60051702

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

Storage Condition: Lyophilized recombinant Mouse Interleukin-4 (IL-4) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution under sterile conditions, rmlL-4 should be stable up to 1 week at 4°C or up to 3 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.

---

### Quality Control

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE)	> 95%	95.3%
Biological Activity (ED <sub>50</sub> )	<2 ng/ml	0.96 ng/ml
Molecular Weight	15 kDa	Conformed
Bacterial Endotoxin	< 0.2 EU/µg	0.08

---

### 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: 03/25/2017

Protein Products Department