

## CERTIFICATE OF ANALYSIS

### Product Information

---

Product Name:	IFN- $\alpha$ 2b, Human
Cat. No.:	Z03002-10; Z03002-50; Z03002-1
Lot No.:	P50151407
Size:	10 $\mu$ g/vial; 50 $\mu$ g/vial; 1 mg/vial
Storage Condition:	Lyophilized recombinant human Interferon-Alpha 2b (rhIFN-Alpha 2b) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rhIFN-Alpha 2b should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.

---

### 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> )	< 0.05 ng/ml	0.047 ng/ml
Molecular Weight	19.2 kDa	Conformed
Bacterial Endotoxin	< 0.2 EU/ $\mu$ g	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: 11/03/2014  
Protein Products Department