

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name:	IFN- $\alpha$ 2a, Human
Cat. No.:	Z03003-10; Z03003-50; Z03003-1
Lot No.:	P20011211
Size:	10 $\mu$ g/vial; 50 $\mu$ g/vial; 1mg/vial
Storage Condition:	Lyophilized recombinant human Interferon-Alpha 2a (rhIFN-Alpha 2a) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, rhIFN-Alpha 2a should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.

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### Quality Control

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Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE)	> 95%	Conformed
Purity (HPLC)	> 95%	Conformed
Activity(ED <sub>50</sub> )	< 0.1 ng/ml	Conformed
Molecular Weight	19.2 $\pm$ 1.9 kDa	Conformed
Bacterial Endotoxin	< 0.2 EU/ $\mu$ g	Conformed

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### 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:  Date: 01/30/2013

Protein Department