

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name:	IL-1RA, Human
Cat. No.:	Z00367
Lot No.:	C51181411
Size:	1mg
Storage Condition:	Lyophilized rHuIL-1ra remains stable at room temperature for three weeks, but it is best stored desiccated below -18°C. Upon reconstitution rHuIL-1ra should be stored at 4°C for up to seven days. For long term storage it is recommended that a carrier protein (0.1% HSA or BSA ) be added. Avoid repeated freeze-thaw cycles.

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### Quality Control

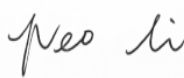
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Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE)	> 95%	96.1%
Specific Activity	> 2.0 × 10 <sup>6</sup> IU/mg	2.5 × 10 <sup>6</sup> IU/mg
Molecular Weight	17.3 ± 1.7 kDa	Conformed
Bacterial Endotoxin	< 1 EU/μg	Conformed
First Five N-terminal Amino Acids	Met-Arg-Pro-Ser-Gly	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: 12/05/2014  
Product Department