

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name:	Interleukin-1 (IL-1) Receptor Antagonist, human
Cat. No.:	Z00367
Lot No.:	C50081211
Size:	10µg/vial
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.

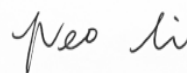
### Quality Control

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE)	> 95%	Conformed
Purity (FPLC)	> 95%	Conformed
Purity (RP-HPLC)	> 95%	97.10%
Specific Activity	> 2.0 × 10 <sup>6</sup> IU/mg	2.5 × 10 <sup>6</sup> IU/mg
Molecular Weight	17.3±1.7KDa	Conformed
Bacterial Endotoxin	< 1 EU/µg	Conformed
First Five N-terminal Amino Acids	Met-Arg-Pro-Ser-Gly	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:  
Product Department



Date: 11/12/2012