

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name: IL-1 $\alpha$ , Human  
Cat. No.: Z02698  
Lot No.: R50031809  
Size: 10  $\mu$ g/vial ;50ug/vial; 1mg/vial  
Storage Condition: Upon reconstitution, store at 2 - 8 $^{\circ}$ C for up to one week,  
and store at lower than -70 $^{\circ}$ C for long term storage.  
**Avoid repeated freeze/thaw cycles.**

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### Quality Control

Test Items	Specifications	Results
Physical Appearance	White Freeze - dried Powder	Conformed
Purity (SDS-PAGE&HPLC)	> 97%	97.62%
Specific Activity	> 1.0 $\times 10^9$ IU/mg	2.06 $\times 10^9$ IU/mg
Molecular Weight	18.0 $\pm$ 1.8 KDa	Conformed
Bacterial Endotoxin	< 1.0 EU/ $\mu$ g	0.1-1 EU/ $\mu$ g

### 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: 09/06/2018

Protein Products Department