

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name: SDF-1 $\beta$ /CXCL12, Human  
Cat. No.: Z02897  
Lot No.: R50071811  
Size: 10  $\mu$ g/vial  
Storage Condition: Upon reconstitution, store at 2-8 $^{\circ}$ C for up to one week,  
and store at -20 $^{\circ}$ C to -80 $^{\circ}$ C for long term storage.  
**Avoid repeated freeze/thaw cycles.**

### Quality Control

Test Items	Specifications	Results
Physical Appearance	White Freeze - dried Powder	Conformed
Purity (SDS-PAGE&HPLC)	> 97%	97.96%
Biological Activity	20-80 ng/ml	Conformed
Molecular Weight	8.5 $\pm$ 0.9 KDa	Conformed
Bacterial Endotoxin	< 1 EU/ $\mu$ g	< 0.01 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: 11/02/2018  
Protein Products Department