

Version 02

Update: 07/12/2021

## CERTIFICATE OF ANALYSIS

### Product Information

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|--------------------|--|
| Product Name:      | SDF-1 $\alpha$ /CXCL12, Human  |
| Cat. No.:          | Z02825   |
| Lot No.:           | M2203004   |
| Storage Condition: | This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. Avoid repeated freeze/thaw cycles. |

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### Quality Results

| Test Items          | Specifications            | Results   |
|---------------------|---------------------------|-----------|
| Physical Appearance | White Freeze-dried Powder | Conformed |
| Purity (SDS-PAGE)   | >97%                      | Conformed |
| HPLC Purity         | >97%                      | Conformed |
| Molecular Weight    | 8.0 $\pm$ 0.8 KDa         | Conformed |
| Biological Activity | 20-80 ng/ml               | Conformed |
| Bacterial Endotoxin | <1.0 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:** *Dandan Yao*      **Date:** 03/08/2022

**Quality Department**

*For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.*