

## PRODUCT DATA SHEET

### CXCL12 (SDF-1 $\alpha$ ) (Biotinylated) Human E.coli

**Cat. No.:** RD172381002-BIOTIN

**Size:** 0.002 mg

**Source:** E. coli

**Type:** Recombinant protein

**Species:** Human

**Other Names:**

(SDF-1alpha) Stromal cell-derived factor 1, SDF-1a, C-X-C motif chemokine 12, Pre-B cell growth-stimulating factor, PBSF, hIRH, CXCL12 (isoform alpha)

**Description:**

Total 87 AA. MW: 10,4 kDa (calculated). Bi-otinylated at the last Lysine in sequence. UniProtKB acc.no# P48061 2 (24–89) Protein identity confirmed by MS.

**Amino Acid Sequence:**

KPVSLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE  
YLEKALNKKL GSGLNDIFEA QKIEWHE

**Purity:**

Purity as determined by SDS PAGE: >97 %

**Endotoxin:**

<0.01 EU /1 $\mu$ g

**Reconstitution:**

Add sterile water to prepare a working stock solution of approximately 0.1 mg/ml and let the lyophilized pellet dissolve completely.

**Shipping:**

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

Store the lyophilized protein at -20 to -70 °C. Lyophilized protein remains stable until the expiry date when stored at -20 to -70 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -20 to -70 °C, the protein is stable for 3 months at -20 to -70 °C under sterile conditions after reconstitution. Reconstituted protein can be stored at 4 °C for 1 month under sterile conditions after reconstitution

**Quality Control:**

Quantification is done by A280, using the calculated extinction coefficient (14,420 M<sup>-1</sup> cm<sup>-1</sup>).

SDS-PAGE to determine purity of the protein.

rFC TEST to determine endotoxin level.

**Applications:**

Biologically active protein, Cell culture and/or animal studies, ELISA, Flow cytometry, Immunocytochemistry, Western blotting

**Note:**

This product is intended for research use only.