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PRODUCT DATA SHEET

CXCL12 (SDF-1α) (Biotinylated) Human E.coli

Cat. No.: RD172381050-BIOTIN
Source: E. coli
Species: Human
Size: 0.05 mg
Type: Recombinant protein

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:

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KPVSLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE
YLEKALNKKL GSGLNDIFEA QKIEWHE
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Purity:
Purity as determined by SDS PAGE: >97 %

Endotoxin:
<0.01 EU /1µg

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-1 cm-1).
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.