

Active Recombinant Human CXCL12 protein

Cat. No. CXCL12-57H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CXCL12 protein(P48061)(21-119 aa) was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	21-119 aa
Form	Lyophilized from a 0.2 µ filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using PHA and rHuIL-2 activated human peripheral blood T-lymphocytes is in a concentration range of 30-100 ng/ml.
Molecular Mass	Approximately 11.6 kDa, a single non-glycosylated polypeptide chain containing 99 amino acid residues.
AASequence	GKPVLSYRC PCRFFESHVA RANVKHLKIL NTPNCALQIV ARLKNNNRQV CIDPKLKWIQ EYLEKALNKG RREEKVGKKE KIGKKKRQKK RkaaQKRKN
Endotoxin	Less than 0.1 EU/µg of rHuSDF-1γ/CXCL12γ as determined by LAL method.
Purity	>96% by SDS-PAGE and HPLC analyses.

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Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name CXCL12 chemokine (C-X-C motif) ligand 12 [Homo sapiens]

Official Symbol CXCL12

Synonyms CXCL12; chemokine (C-X-C motif) ligand 12; SDF1, SDF1A, SDF1B, stromal cell derived factor 1; stromal cell-derived factor 1; PBSF; SCYB12; SDF 1a; SDF 1b; TLSF a; TLSF b; TPAR1; intercrine reduced in hepatomas; pre-B cell growth-stimulating factor; IRH; SDF1; TLSF; SDF1A; SDF1B;

Gene ID 6387

mRNA Refseq NM_000609

Protein Refseq NP_000600

MIM 600835

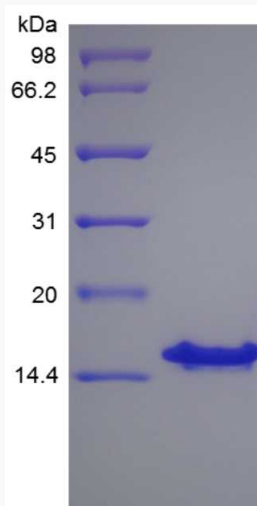
UniProt ID P48061

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SDS-PAGE



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