

Active Recombinant Human CXCL12 protein

Cat. No. CXCL12-629H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CXCL12 protein(P48061)(22-89 aa) was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	22-89 aa
Form	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB pH 7.0, 130 mM NaCl.
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 20-80 ng/ml.
Molecular Mass	Approximately 8.0 kDa, a single non-glycosylated polypeptide chain containing 68 amino acids.
AASequence	KPVLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE YLEKALNK
Endotoxin	Less than 1 EU/µg of rHuSDF-1α/CXCL12α as determined by LAL method.
Purity	> 97 % 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.

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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