

Recombinant Human Chemokine (C-X-C motif) Ligand 12, HlgG1 Fc-tagged

Cat. No. CXCL12-552H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CXCL12 isoform alpha (P48061-2) (Lys 22-Lys 89) was expressed, with a polyhistidine tag at the N-terminus.
Species	Human
Source	CHO
ProteinLength	22-89 a.a.
Predicted N Terminal	Met
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	TherecombinanthumanCXCL12consistsof84aminoacidsandpredictsamolecularmassof 1 0KDa.Itmigratesasanapproximately12KDabandinSDS-PAGEunderreducingconditio ns.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be

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aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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

Chromosome Location 10q11.1

Pathway

Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Chemokine

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receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem;

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