

## Recombinant Human CXCL12 Protein, DYKDDDDK-tagged

Cat. No. CXCL12-192H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human C-X-C motif chemokine ligand 12(CXCL12), transcript variant 2(NM_000609), with a DYKDDDDK tag, was expressed in human cells.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>Description</b>	This antimicrobial gene encodes a stromal cell-derived alpha chemokine member of the intercrine family. The encoded protein functions as the ligand for the G-protein coupled receptor, chemokine (C-X-C motif) receptor 4, and plays a role in many diverse cellular functions, including embryogenesis, immune surveillance, inflammation response, tissue homeostasis, and tumor growth and metastasis. Mutations in this gene are associated with resistance to human immunodeficiency virus type 1 infections. Multiple transcript variants encoding different isoforms have been found for this gene.
<b>Form</b>	Purified protein formulated in a sterile solution of TBS buffer, pH7.71, without any preservatives.
<b>Molecular Mass</b>	10.5 kDa
<b>Endotoxin</b>	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
<b>Purity</b>	>90% by SDS-PAGE gel and Coomassie Blue staining

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**Applications** Antigen, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

## 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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