

Recombinant Human CXCL12 Protein

Cat. No. CXCL12-031H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CXCL12 protein
Species	Human
ProteinLength	93
Description	<p>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.</p>
Form	Lyophilized
AA Sequence	MNAKVVVVVLVLVTALCLSDGKPVSLSYRCPFRFFESHVARANVKHLKILNTPNCAL QIVARLKNNNRQVCIDPKLKWIQEYLEKALNKRFKM
Purity	> 97%
Applications	WB
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term).

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After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Storage Buffer PBS (pH 7.4-7.5)

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

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

Official Symbol CXCL12

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

Gene ID 6387

mRNA Refseq NM_000609

Protein Refseq NP_000600

MIM 600835

UniProt ID P48061

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