

# Recombinant Human CXCL12 Protein, Mature chain, Tag Free, Biotinylated

Cat. No. CXCL12-216H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human SDF-1 alpha protein was developed from E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Mature chain
<b>Description</b>	<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>
<b>Conjugation/Label</b>	Biotin
<b>Form</b>	Lyophilised
<b>Endotoxin</b>	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).
<b>Applications</b>	ELISA, WB

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Notes</b>	FOR RESEARCH USE ONLY (RUO).
<b>Storage</b>	The lyophilized protein is stable for at least 1 year from date of receipt at -20 centigrade. Upon reconstitution, this cytokine can be stored in working aliquots at -20 centigrade for six months, with a carrier protein without detectable loss
<b>Storage Buffer</b>	Lyophilised from 0.2 µm filtered PBS, pH 7.4.
<b>Reconstitution</b>	Upon receipt a quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	CXCL12 chemokine (C-X-C motif) ligand 12 [ Homo sapiens (human) ]
<b>Official Symbol</b>	CXCL12
<b>Synonyms</b>	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;
<b>Gene ID</b>	6387
<b>mRNA Refseq</b>	NM_000609
<b>Protein Refseq</b>	NP_000600

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<b>MIM</b>	600835
<b>UniProt ID</b>	P48061

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