

# Recombinant Human chemokine (C-X3-C motif) ligand 1, His-tagged

Cat. No. CX3CL1-114H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human CX3CL1, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW=10.9 kDa (97aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	CX3CL1, also known as fractalkine. CX3CL1 has a unique CX3C cysteine motif near the amino terminus and is the first member of a fourth branch of the chemokine superfamily. Unlike other known chemokines, CX3CL1 is a type 1 membrane protein containing a chemokine domain tethered on a long mucin like stalk. It is expressed in a membrane-bound form on activated endothelial cells and mediates attachment and firm adhesion of T cells, monocytes and NK cells. Also, CX3CL1 elicits its adhesive and migratory functions by interacting with the chemokine receptor CX3CR1.
<b>Concentration</b>	0.5 mg/ml (determined by Bradford assay).
<b>Form</b>	Liquid. In Phosphate buffered saline (pH7.4), 10% glycerol.
<b>Purity</b>	> 90% by SDS-PAGE.
<b>Endotoxin Level</b>	< 1.0 EU per 1 µg of protein (determined by LAL method).

 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

**Amino Acid Sequence** MGSSHHHHHH SSGLVPRGSH MQHHGVT KCN ITCSKMTSKI PVALLIHYQQ NQASC GKRAI ILETRQHRLF CADPKEQWVK DAMQHLDRQA AALTRNG.

**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name** [CX3CL1 chemokine \(C-X3-C motif\) ligand 1 \[ Homo sapiens \]](#)

**Synonyms** CX3CL1; chemokine (C-X3-C motif) ligand 1; NTN; NTT; CXC3; CXC3C; SCYD1; ABCD-3; C3Xkine; fractalkine; neurotactin; small inducible cytokine subfamily D (Cys-X3-Cys), member-1; small inducible cytokine subfamily D (Cys-X3-Cys), member 1 (fractalkine, neurotactin); C-X3-C motif chemokine 1; Neurotactin; Small-inducible cytokine D1; Processed fractalkine

**Gene ID** [6376](#)

**mRNA Refseq** [NM\\_002996](#)

**Protein Refseq** [NP\\_002987](#)

**MIM** [601880](#)

**UniProt ID** [P78423](#)

**Chromosome Location** 16q13

**Pathway** Chemokine signaling pathway; Cytokine-cytokine receptor interaction; Signaling by GPCR

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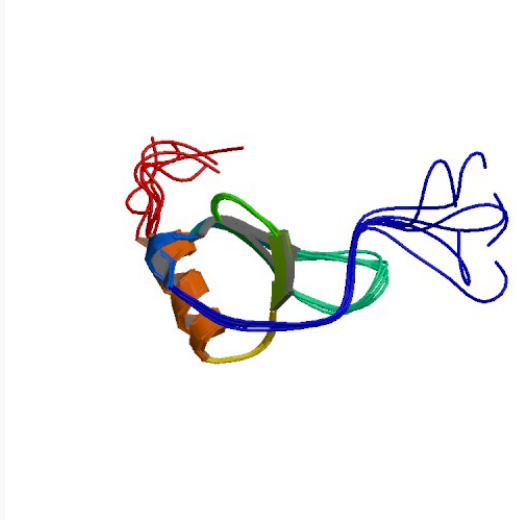
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**Function**

chemokine activity

PDB rendering based  
on 1b2t.



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