

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

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

SPECIFICATION

Product Overview	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).
Species	Human
Source	E.coli
Description	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.
Concentration	0.5 mg/ml (determined by Bradford assay).
Form	Liquid. In Phosphate buffered saline (pH7.4), 10% glycerol.
Purity	> 90% by SDS-PAGE.
Endotoxin Level	< 1.0 EU per 1 µg of protein (determined by LAL method).

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Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MQHHGVTKCN ITCSKMTSKI PVALLIHYQQ NQASCGKRAI ILETRQHRLF CADPKEQWVK DAMQHLDLDRQA 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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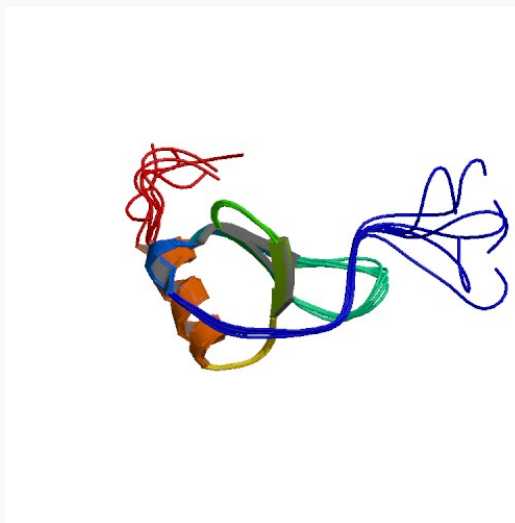
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Function

chemokine activity

PDB rendering based
on 1b2t.



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