

Active Recombinant Mouse Chemokine (C-X3-C motif) Ligand 1, His-tagged

Cat. No. Cx3cl1-380M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Cx3cl1 protein was expressed in Spodoptera frugiperda, Sf 21 (baculovirus), with a C-terminal 6-His-tagged. Gln25-Arg337.
Species	Mouse
Source	S. frugiperda
Protein Length	25-337 a.a.
Description	Cx3cl1 is a large cytokine protein of 373 amino acids; it contains multiple domains and is the only known member of the CX3C chemokine family. It is also commonly known under the names fractalkine (in humans) and neurotactin (in mice). The polypeptide structure of Cx3cl1 differs from the typical structure of other chemokines.
Form	Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA with BSA as a carrier protein.
N-terminal Sequence	No results obtained: Gln25 predicted
Molecular Weight	34 kDa
Activity	Measured by its ability to chemoattract freshly isolated human peripheral blood lymphocytes (PBL). The ED50 for this effect is typically 0.2-0.6 µg/mL. Measured by its ability to chemoattract human CX3CR1 transfected BaF3 mouse pro-B cells. The

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

ED50 for this effect is typically 0.03-0.12 µg/mL.

Endotoxin Level <1.0 EU per 1 µg of the protein by the LAL method.

Purity >97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

Reconstitution Reconstitute at 10 µg/mL in sterile PBS that containing at least 0.1% human or bovine serum albumin.

Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name Cx3cl1 chemokine (C-X3-C motif) ligand 1 [*Mus musculus*]

Official Symbol Cx3cl1

Synonyms Cx3cl1; chemokine (C-X3-C motif) ligand 1; CX3C; Cxc3; Scyd1; ABCD-3; AB030188; AI848747; D8Bwg0439e; fractalkine; neurotactin; C-X3-C motif chemokine 1; small-inducible cytokine D1; CX3C membrane-anchored chemokine; small inducible cytokine subfamily D, 1; Fkn; Cx3C

Gene ID 20312

mRNA Refseq NM_009142

Protein Refseq NP_033168

UniProt ID O35188

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Chromosome Location	8
Pathway	Chemokine receptorsbind chemokines; Chemokine signaling pathway; Class A/1 (Rhodesian-likereceptors); Cytokine-cytokine receptor interaction; GPCR ligand binding;Peptide ligand-binding receptors; Signal Transduction; Signaling by GPCR
Function	chemokine activity; cytokineactivity
PDB rendering based on 1b2t.	