

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

Cat. No. Cx3cl1-379M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Cx3cl1 protein was expressed in E. coli. Leu22-Lys105.
Species	Mouse
Source	E.coli
Protein Length	22-105 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	Leu22
Molecular Weight	9.5 kDa
Activity	Measured by its ability to chemoattract mouse CX3CR1 transfected BaF3 mouse pro-B cells. The ED50 for this effect is typically 10-50 ng/mL.
Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.

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Purity	>97%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 100µg/mL in sterile PBS that containing at least 0.1% human or bovine serumalbumin.
Storage	Use amannual 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. 3months, -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-Cmotif) ligand 1; CX3C; Cxc3; Scyd1; ABCD-3; AB030188; AI848747;D8Bwg0439e; fractalkine; neurotactin; C-X3-C motif chemokine 1; small-induciblecytokine D1; CX3C membrane-anchored chemokine; small inducible cytokinesubfamily D, 1; Fkn; Cx3C
Gene ID	20312
mRNA Refseq	NM_009142
Protein Refseq	NP_033168
UniProt ID	O35188
Chromosome Location	8

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Pathway	Chemokine receptorsbind chemokines; Chemokine signaling pathway; Class A/1 (Rhodesian-like receptors); 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.	

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