

Product datasheet for **TP723807**

Cx3cl1 (NM_009142) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse chemokine (C-X3-C motif) ligand 1 (Cx3cl1 / Fractalkine)
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Mouse CX3CL1, N-Met, the region of Leu22-Lys105, from gene Accession# NP_033168.2
Tag:	Tag Free
Predicted MW:	9.59 kDa
Concentration:	lot specific
Purity:	>98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	10 mM NaH ₂ PO ₄ , 0.15 M NaCl, pH 7.2
Bioactivity:	Bioactivity was measured by its property to chemoattract BaF3-mCX3CR1 transfectants in a dose dependent manner.
Endotoxin:	Less than 0.01 ng per µg protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	NP_033168
Locus ID:	20312
UniProt ID:	O35188
RefSeq Size:	3144
Cytogenetics:	8 46.79 cM
RefSeq ORF:	1188
Synonyms:	AB030188; ABCD-3; AI848747; CX3C; Cxc3; D8Bwg0439e; Scyd1



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Summary:

Acts as a ligand for both CX3CR1 and integrins. Binds to CX3CR1 and to integrins ITGAV:ITGB3 and ITGA4:ITGB1. Can activate integrins in both a CX3CR1-dependent and CX3CR1-independent manner. In the presence of CX3CR1, activates integrins by binding to the classical ligand-binding site (site 1) in integrins. In the absence of CX3CR1, binds to a second site (site 2) in integrins which is distinct from site 1 and enhances the binding of other integrin ligands to site 1 (By similarity). The soluble form is chemotactic for T-cells and monocytes, but not for neutrophils. The membrane-bound form promotes adhesion of those leukocytes to endothelial cells. May play a role in regulating leukocyte adhesion and migration processes at the endothelium (PubMed:9177350, PubMed:10382755).[UniProtKB/Swiss-Prot Function]