Cx3cl1
Recombinant Mouse Fractalkine / CX3CL1 (His Tag)

Catalog No.	CRM707A-His2 CRM707B-His2	**Quantity:**	20 µg 100 µg

Alternate Names: Fractalkine, C-X3-C motif chemokine 1, CX3C membrane-anchored chemokine, Neurotactin, Small-inducible cytokine D1, Processed fractalkine

Description: Fractalkine (CX3CL1) is a member of the CX3C chemokine family. CX3CL1 is a unique chemokine that functions not only as a chemoattractant but also as an adhesion molecule and is expressed on endothelial cells activated by proinflammatory cytokines, such as interferon-gamma and tumor necrosis factor-alpha. CX3CL1 is expressed in a membrane-bound form on activated endothelial cells and mediates attachment and firm adhesion of T cells, monocytes and NK cells. CX3CL1 is associated with dendritic cells (DC) in epidermis and lymphoid organs. The receptor CX3CR1, is expressed on cytotoxic effector lymphocytes, including natural killer (NK) cells and cytotoxic T lymphocytes, which contain high levels of intracellular perforin and granzyme B, and on macrophages. Soluble fractalkine causes migration of NK cells, cytotoxic T lymphocytes, and macrophages, whereas the membrane-bound form captures and enhances the subsequent migration of these cells in response to secondary stimulation with other chemokines.

UniProt ID: O35188

Accession Number: NP_033168.2

Protein Construction: A DNA sequence encoding the mouse Cx3cl1 (Gln25-Lys105) was expressed with a polyhistidine tag at the C-terminus.

Source: Yeast

Formulation: Lyophilized from sterile PBS,PH7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Molecular Weight: The recombinant mouse Cx3cl1 consists of 91 amino acids with a predicted molecular mass of 10.7 kDa.

Purity: > 95 % as determined by SDS-PAGE.

Biological Activity: Testing in progress

Predicted N-terminal: Gln 25

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial.
DO NOT VORTEX. Allow several minutes for complete reconstitution.

Storage & Stability: Stable for up to 1 year from date of receipt at -20°C to -80°C
After reconstitution, store working aliquots at -20°C to -80°C.
Avoid repeated freeze-thaw cycles.

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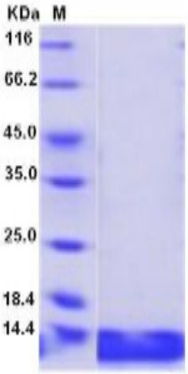
SDS-PAGE



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