

Recombinant Human CX3CL1 protein, His-tagged

Cat. No. CX3CL1-399H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CX3CL1 protein (Gln25-Gln341), fused to His tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	317
Description	Fractalkine is also known as C-X3-C motif chemokine 1 (CX3CL1) and neurotactin. Fractalkine is a large cytokine protein of 373 amino acids, it contains multiple domains and is the only known member of the CX3C chemokine family. Fractalkine is found commonly throughout the brain, particularly in neural cells, and its receptor is known to be present on microglial cells. It has also been found to be essential for microglial cell migration. CX3CL1 is also up-regulated in the hippocampus during a brief temporal window following spatial learning, the purpose of which may be to regulate glutamate-mediated neurotransmission tone. This indicates a possible role for the chemokine in the protective plasticity process of synaptic scaling.
Form	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 35.5 kDa. The protein migrates as 50-90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per ug by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	CX3CL1
Official Symbol	CX3CL1
Synonyms	CX3CL1; chemokine (C-X3-C motif) ligand 1; SCYD1, small inducible cytokine subfamily D (Cys X3 Cys), member 1 (fractalkine, neurotactin); fractalkine; ABCD 3; C3Xkine; CXC3; CXC3C; neurotactin; NTN; C-X3-C motif chemokine 1; small-inducible cytokine D1; CX3C membrane-anchored chemokine; small inducible cytokine subfamily D (Cys-X3-Cys), member-1; small inducible cytokine subfamily D (Cys-X3-Cys), member 1 (fractalkine, neurotactin); NTT; SCYD1; ABCD-3
Gene ID	6376
mRNA Refseq	NM_002996
Protein Refseq	NP_002987

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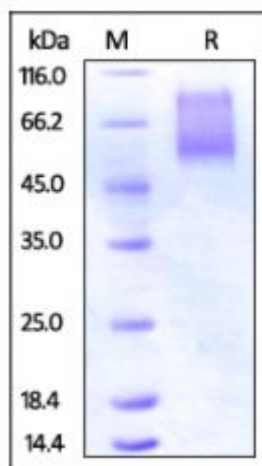
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MIM 601880

UniProt ID P78423

SDS-PAGE of
CX3CL1-399H



Human CX3CL1, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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