

Fractalkine/CX3CL1 (C-6His), Mouse, Recombinant

Cat. No. : PCK233

General Information

Synonyms	Fractalkine;C-X3-C Motif Chemokine 1;CX3C membrane-anchored Chemokine;Neurotactin; Small-inducible Cytokine D1;Cx3c;Fkn;Scyd1;CXC3;CXC3C;ABCD-3;SCYD1;C3Xkine;NTN; NTT
Species	Mouse
Expression host	Human Cells
Sequence	Gln25-Arg337
Accession	O35188
Tag	C-6His
Mol mass	34.3 kDa
Expiration date	12 months

Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Background

Fractalkine (CX3CL1) is a single-pass type I membrane Protein and belongs to the intercrine delta family. It consists of an extracellular NH₂-terminal domain, a mucin-like stalk, a transmembrane α helix, and a short cytoplasmic tail. CX3CL1 exists in two forms: as a membrane-anchored or as a shed 80-95K glyco Protein. Soluble CX3CL1 is generated by limited proteolysis on the cell surface, and a disintegrin and metalloproteinase 10 (ADAM10) and ADAM17/tumor necrosis factor-α-converting enzyme (ADAM17/TACE) participate in this shedding. It has been suggested that ADAM10 acts in the constitutive shedding, and ADAM17 acts in response to cell activation. The Protein may play a role in regulating leukocyte adhesion and migration processes at the endothelium.

SDS-PAGE

