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Datasheet for ABIN1945442

CX3CL1 Protein (AA 25-337) (His tag)

Overview

Quantity:	50 µg
Target:	CX3CL1
Protein Characteristics:	AA 25-337
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CX3CL1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse C-X3-C Motif Chemokine 1/CX3CL1/Fractalkine (C-6His)
Sequence:	QHLGMTKCEI MCDKMTSRIP VALLIRYQLN QESCGKRAIV LETTQHRRFC ADPKEKWWQD AMKHLDHQAA ALTKNGGKFE KRVDNVTPGI TLATRGLSPS ALTKPESATL EDLALELTTI SQEARGTMGT SQEPPAAVTG SSLSTSEAQD AGLTAKPQSI GSFEAADIST TVWPSPAVYQ SGSSSWAEEK ATEPSTTAP SPQVSTTSPS TPEENVGSEG QPPWVQGQDL SPEKSLGSEE INPVHTDNFQ ERGPGNTVHP SVAPISSEET PSELVASGS QAPKIEEPIH ATADPQKLSV LITPVPDTQA ATRVDHHHHH H
Characteristics:	Recombinant Mouse Fractalkine/C-X3-C motif chemokine 1/CX3C membrane-anchored chemokine/Neurotactin/Small-inducible cytokine D1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (AA 25-337) of Human CX3CL1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CX3CL1
Alternative Name:	CX3CL1 (CX3CL1 Products)
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 glycoprotein. 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.
Molecular Weight:	34.3 kDa
UniProt:	O35188
Pathways:	Synaptic Membrane

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH ₂ O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Handling

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20°C for 3 months.