

32-8418: Recombinant Mouse C-X3-C Motif Chemokine 1/CX3CL1/Fractalkine (C-6His)

Gene : Cx3cl1
Gene ID : 20312
Uniprot ID : O35188

Description

Source: Human Cells.
MW :34.3kD.

Recombinant Mouse C-X3-C motif chemokine 1 is produced by our Mammalian expression system and the target gene encoding Gln25-Arg337 is expressed with a 6His tag at the C-terminus. 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 a 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 metallopeptidase 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.

Product Info

Amount : 10 μ g / 50 μ g
Content : Lyophilized from a 0.2 μ m filtered solution of 20mM PB,150mM NaCl,pH7.4.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. 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.
Amino Acid : QHLGMTKCEIMCDKMTSRIPVALLIRYQLNQESCGKRAIVLETTQHRRFCADPKEKWWQDAMKHLDHQAAALT
KNGGKFEKRVNDNVTPGITLATRGLSPSALTKPESATLEDLALLETTISQEARGTMGTSQEPPAAVTGSSSLSTSEA
QDAGLTAKPQSIGSFEEADISTTVWSPAVYQSGSSSWAEKATESPSTTAPSPQVSTTSPSTPEENVGSEGQP
PWVQGQDLSPEKSLGSEEINPVHTDNFQERGPNTVHPSVAPISSEETPSPELVASGSQAPKIEEPIHATADPQK
LSVLITPVPDTQAATRVDDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.