



Recombinant Human Fractalkine (CX3CL1)

Cat No:HR2R1435

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	CX3CL1
Gene ID	6376
Accession	P78423
Alternative Name	C-X3-C motif chemokine 1, CX3C membrane-anchored chemokine, Neurotactin, Small-inducible cytokine D1
Species	Human
Source	E. coli
Description	Fractalkine is a type I membrane protein that signals through the CX3CR1 receptor. The extracellular domain of Fractalkine is released by protease cleavage ? producing soluble Fractalkine. Fractalkine has been found in many tissues and shown to be up-regulated in endothelial cells and microglia in response to inflammatory signals. Fractalkine is also involved in leukocyte adhesion as well as attracting monocytes, microglia cells and NK cells.
Functions	Measured by its ability to chemoattract BaF3 mouse pro-B cells transfected with mouse CX3CR1. The ED(50) for this effect is typically 20?100 ng/mL
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS with BSA as a carrier protein
Solubility	Reconstitute at 25 ?g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin
Appearance	Lyophilized Powder
Molecular Weight	8.9
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.