

GFH174 Recombinant Human Fractalkine / CX3CL1

Description

Fractalkine, also known as CX3CL1, is a cytokine protein containing a CX3C chemokine motif atop a mucin stalk. Fractalkine is produced by non-hemopoietic cells, including neurons and astrocytes. Soluble fractalkine functions as a chemoattractant for T cells and monocytes. Cell-membrane-bound fractalkine, which is induced on activated endothelial cells, promotes leukocyte adhesion. The transmembrane chemokine receptor CX3CR1 mediates the adhesive and chemoattractant functions of fractalkine.

Length	76 aa
Molecular Weight	8.6 kDa
Source	E. coli
Accession Number	P78423
Purity	≥95% determined by reducing and non-reducing SDS-PAGE

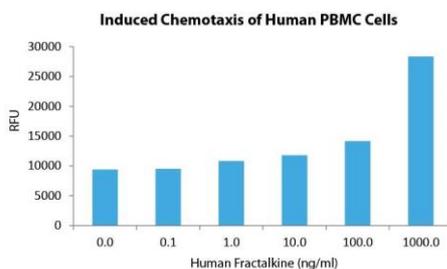
Specifications

Alternative Names	Neurotactin, CX3CL1
Biological Activity	Human Fractalkine is fully biologically active when compared to standard. The activity is determined by the induced chemotaxis of human PBMC cells.
Endotoxin Level	≤1.00 EU/μg as measured by kinetic LAL
Formulation	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
AA Sequence	QHHGVTKCNI TCSKMTSKIP VALLIHYQQN QASCGKRAII LETRQHRLFC ADPKEQWVKD AMQHLDLRQAA ALTRNG

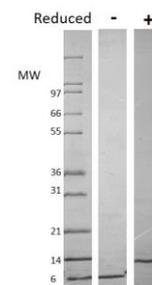
Preparation and Storage

Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
Stability and Storage	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.

Data



Induced chemotaxis of human PBMC cells assay for Human Fractalkine.



Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 μg of protein was loaded in each lane. Human Fractalkine has a predicted Mw of 8.6 kDa.