Datasheet for ABIN6699702

CX3CL1 Protein

1 Image

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Overview

Quantity:	5 µg
Target:	CX3CL1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Human Fractalkine (CX3CL1) Recombinant Protein
Purification:	Fractalkine (CX3CL1) purity was determined to be greater than 98% as determined by analysis by HpLC, UV-Spectroscopy at 280nm and by reducing and non-reducing SDS-pAGE.
Purity:	98,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The activity is determined by the dose dependent chemotaxis of human PBMCs and is typically starting between 10-100 ng/mL.

Target Details

Target:	CX3CL1
Alternative Name:	CX3CL1 (CX3CL1 Products)
Background:	Synonyms: C-X3-C motif chemokine 1, CX3C membrane-anchored chemokine, Neurotactin, Small-inducible cytokine D1 Background: Fractalkine, also known as CX3CL1, is an atypical chemokine that was the first of

Target Details

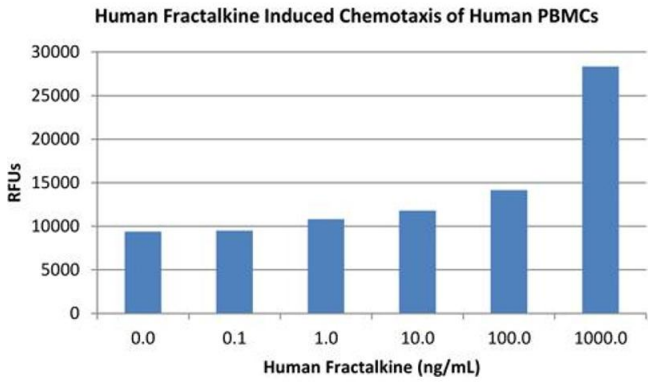
	a fourth chemokine motif (CX3C). It is thought to function as a T cell and monocyte chemotractant and is produced by non-haemopoietic cells. Fractalkine is made in a soluble and membrane bound form in activated endothelial cells which is thought to promote adhesion of leukocytes. Recombinant human Fractalkine is a non-glycosylated protein, containing 76 amino acids, with a molecular weight of 8.6 kDa.
UniProt:	P78423
Pathways:	Synaptic Membrane

Application Details

Application Notes:	Other: User Optimized Application_Note: Fractalkine Recombinant Protein has been tested by biological activity and is suitable as a control for polyclonal or monoclonal anti-Fractalkine in immunological assays.
Comment:	Suggested_Applications: Cellular Assay Other_Performance_Data:
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 5 µL (5-50 µL)
Buffer:	Buffer: 0.1 % Trifluoroacetic acid Stabilizer: None
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
Expiry Date:	6 months



SDS-PAGE

Image 1. SDS-PAGE of Human Fractalkine (CX3CL1) Recombinant Protein Bioactivity of Human Fractalkine (CX3CL1) Recombinant Protein. Human PBMCs were allowed to migrate to Human Fractalkine at (0, 0.1, 1, 10 , 100 and 1000 ng/mL). After 4 hours, cells that migrated were counted using a luminescent substrate and displayed on the bar graph above. Significant increases in migration over basal levels were seen in response to Human Fractalkine detectable starting at between 10-100 ng/mL.