

Fractalkine/CX3CL1 Protein, Human (Biotinylated, HEK293, His)

Cat. No.:	HY-P78937
Synonyms:	Fractalkine; Neurotactin; Cx3cl1; Cx3c; Fkn; ABCD-3; C3Xkine; CXC3; CXC3C; NTN; NTT; SCYD1
Species:	Human
Source:	HEK293
Accession:	AAH01163 (Q25-Q341)
Gene ID:	6376
Molecular Weight:	50-90 kDa

PROPERTIES

Appearance	Lyophilized powder
Formulation	Lyophilized a 0.22 µm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Fractalkine/CX3CL1 is a chemokine that acts as a ligand to CX3CR1 and the integrins ITGAV: ITGB3 and ITGA4: ITGB1. CX3CR1-CX3CL1 signaling performs different functions in different tissue comparators, such as immune response, inflammation, cell adhesion, and chemotaxis. CX3CL1 regulates endothelial cell adhesion and migration and activates integrins through CX3Cr1-dependent and CXCr1-independent activation. CX3CL1 promotes lung cancer cell migration and invasion through the Src/FAK signaling pathway ^{[1][2][3]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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