



Recombinant Protein Technical Manual  
Recombinant Human CX3CL1/Fractalkine Protein  
(His Tag)  
RPES1207

#### Product Data:

**Product SKU:** RPES1207

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P78423

#### Protein Information:

**Molecular Mass:** 34.4 kDa

**AP Molecular Mass:** 70 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Fractalkine; C-X3-C Motif Chemokine 1; CX3C Membrane-Anchored Chemokine; Neurotactin; Small-Inducible Cytokine D1; CX3CL1; FKN; NTT; SCYD1

## Immunogen Information:

**Sequence:** Gln25-Arg339

## Background:

Human Fractalkine (CX3CL1) is a member of the CX3C family of chemokines. Human Fractalkine contains both chemokine and mucin domain. The soluble form of Fractalkine is chemotactic for T-cells and monocytes, but not for neutrophils. The membrane bound form of Fractalkine promotes leukocytes adhesion to endothelial cells. Fractalkine regulates leukocyte adhesion and migration processes at the endothelium and binds to CX3CR1. Natural Human Fractalkine is produced as a long protein (373-amino acid). The mucin-like stalk permits it to bind to the cell surface.