

## Product datasheet for **TP723806**

### **CX3CL1 (NM\_002996) Human Recombinant Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human chemokine (C-X3-C motif) ligand 1 (CX3CL1 / Fractalkine)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Human CX3CL1, N-Met, the region of Gln25-Gly100, from gene Accession# NM_002996.3
Tag:	Tag Free
Predicted MW:	8.77 kDa
Concentration:	lot specific
Purity:	>98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	10 mM NaH <sub>2</sub> PO <sub>4</sub> , 0.15 M NaCl, pH 7.2
Bioactivity:	Bioactivity was measured by its property to chemoattract BaF3-mCX3CR1 transfectants in a dose dependent manner.
Endotoxin:	Less than 0.01 ng per µg protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	<a href="#">NP_002987</a>
Locus ID:	6376
UniProt ID:	<a href="#">P78423</a>
RefSeq Size:	3304
Cytogenetics:	16q21
RefSeq ORF:	1191
Synonyms:	ABCD-3; C3Xkine; CXC3; CXC3C; fractalkine; neurotactin; NTN; NTT; SCYD1


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**Summary:**

This gene belongs to the CX3C subgroup of chemokines, characterized by the number of amino acids located between the conserved cysteine residues. This is the only member of the CX3C subgroup, which contains three amino acids between cysteine residues, resulting in a Cys-X-X-X-Cys configuration. The encoded protein contains an extended mucin-like stalk with a chemokine domain on top, and exists in both a membrane-anchored form where it acts as a binding molecule, or, in soluble form, as a chemotactic cytokine. The mature form of this protein can be cleaved at the cell surface, yielding different soluble forms that can interact with the G-protein coupled receptor, C-X3-C motif chemokine receptor 1 gene product. This gene plays a role in a wide range of diseases, including cancer, vasculitis, neuropathies, atherosclerosis, inflammatory diseases, and in human immunodeficiency virus infections. [provided by RefSeq, Sep 2017]

**Protein Families:**

Druggable Genome, Secreted Protein, Transmembrane

**Protein Pathways:**

Chemokine signaling pathway, Cytokine-cytokine receptor interaction