

## Product datasheet for **TP723116**

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

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human chemokine (C-X3-C motif) ligand 1 (CX3CL1).
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	QHHGVTKCNI TCSKMTSKIP VALLIHYQQN QASCGKRAII LETRQHRLFC ADPKEQWVKD AMQHLDRQAA ALTRNG
<b>Tag:</b>	Tag Free
<b>Predicted MW:</b>	8.5 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	Lyophilized from a 0.2 $\mu$ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
<b>Bioactivity:</b>	Determined by its ability to chemoattract human T cells using a concentration range of 5.0-10.0 ng/ml.
<b>Endotoxin:</b>	Endotoxin level is < 0.1 ng/ $\mu$ g of protein (< 1 EU/ $\mu$ g)
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_002987</a>
<b>Locus ID:</b>	6376
<b>UniProt ID:</b>	<a href="#">P78423</a> , <a href="#">A0N0N7</a>
<b>RefSeq Size:</b>	3304
<b>Cytogenetics:</b>	16q21
<b>RefSeq ORF:</b>	1191
<b>Synonyms:</b>	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

**Product images:**