

# Product information



## CX3CL1/Fractalkine, 25- 100 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0380

**Full name:** Chemokine (C-X3-C motif) ligand 1

**NCBI Accession No.:** NP\_002987

**Synonyms:** ABCD-3, C3Xkine, CXC3, CXC3C, NTN, NTT, SCYD1, CX3CL1

**Description:** CX3CL1, also known as fractalkine. CX3CL1 has a unique CX3C cysteine motif near the amino terminus and is the first member of a fourth branch of the chemokine superfamily. Unlike other known chemokines, CX3CL1 is a type 1 membrane protein containing a chemokine domain tethered on a long mucin like stalk. It is expressed in a membrane-bound form on activated endothelial cells and mediates attachment and firm adhesion of T cells, monocytes and NK cells. Also, CX3CL1 elicits its adhesive and migratory functions by interacting with the chemokine receptor CX3CR1. Recombinant human CX3CL1, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

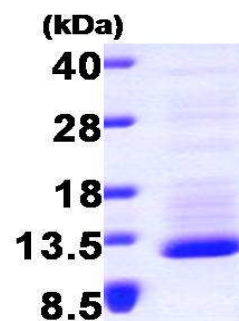
**Form:** Liquid. In Phosphate buffered saline (pH7.4), 10% glycerol

**Molecular Weight:** 10.9 kDa (97aa)

**Purity:** > 90% by SDS - PAGE

**Concentration:** 0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:** < 1.0 EU per 1 µg of protein (determined by LAL method )



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MQHHGVTKCN ITCSKMTSKI PVALLIHYQQ NQASCGKRAI ILETRQHRLF CADPKEQWVK DAMQHLD RQA  
AALTRNG

### General references:

Bazan JF., *et al.* (1997) *Nature*. 385(6617):640-4.

Papadopoulos EJ., *et al.* (1999) *Eur J Immunol*. 29(8):2551-9.

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

# Product information

---



**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**