



## Fractalkine (CX3CL1), His Tag, human recombinant (rHuCX3CL1-His)

**Catalog No:** 97254  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** Fractalkine, CX3CL1, Neurotactin, CX3C membrane-anchored chemokine, Small inducible cytokine D1, NTN, NTT, CXC3, CXC3C, SCYD1, ABCD-3, C3Xkine

### Background

Fractalkine soluble form is chemotactic for t-cells and monocytes, but not for neutrophils. Fractalkine membrane-bound form promotes adhesion of those leukocytes 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) with an extended mucin-like stalk and a chemokine domain on top. The mucin-like stalk permits it to bind to the cell surface. Fractalkine gene is located on human chromosome 16 along with some CC chemokines known as CCL17 and CCL22.

### Description

Fractalkine human recombinant fused with a 20 amino acid His Tag at N-terminus, produced in *E. coli*, is a single non-glycosylated polypeptide chain containing 97 amino acids (25-100) and having a molecular mass of 10.9 kDa. Fractalkine is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered clear solution.

### Formulation

The Fractalkine solution (0.5 mg/ml) contains phosphate buffered saline pH 7.4 and 10% glycerol.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Purity

Greater than 90.0% as determined by SDS-PAGE.

### Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MQHHGVTKCN ITCSKMTSKI PVALLIHYQQ NQASCGKRAI ILETRQHRLF CADPKEQWVK  
DAMQHLDLRQA AALTRNG

### Usage

**This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.**

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