

## 32-1887: rFractalkine Recombinant Protein

**Alternative Name :** Fractalkine,CX3CL1,Neurotactin,CX3C membrane-anchored chemokine,Small inducible cytokine D1,NTN,NTT,CXC3,CXC3C,SCYD1,ABCD-3,C3Xkine.

### Description

Source : Escherichia Coli. Fractalkine Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 76 amino acids and having a molecular mass of 8.7kDa.The Fractalkine is purified by proprietary chromatographic techniques. 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.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 97.0% as determined by SDS-PAGE.
<b>Content :</b>	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
<b>Storage condition :</b>	Lyophilized Fractalkine Human although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Fractalkine should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	QHLGMTKCN I TCHKMTSPIP VTLLIHYQLN QESCGKRAII LETRQHRHFC ADPKEKWVQD AMKHLDHQTA ALTRNG

### Application Note

It is recommended to reconstitute the lyophilized Fractalkine in sterile 18MΩ•cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. Determined by its ability to chemoattract human monocytes using a concentration range of 5.0-10.0 ng/ml, corresponding to a specific activity of 100,000-200,000units/mg.

