

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

Amount : 20 µg
Purification : Greater than 97.0% as determined by SDS-PAGE.
Content : Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Storage condition : 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.
Amino Acid : QHLGMTKCNITCHKMTSPIPVLLIHYQLNQESCGKRAII LETRQHRHFCADPKEKWVQDAMKHLDHQTAALTRNG

Application Note

It is recommended to reconstitute the lyophilized Fractalkine in sterile 18MΩ-cm H₂O not less than 100Åµg/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.

