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Produktinformation

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Fractalkine (CX3CL1), rat recombinant (rrFractalkine)

Catalog No: 97456
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 rat recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 76 amino acids and having a molecular mass of 8.7 kDa. Fractalkine is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.

Solubility

It is recommended to reconstitute the lyophilized Fractalkine in sterile 18 MΩ-cm H_2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized Fractalkine, 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.

Purity

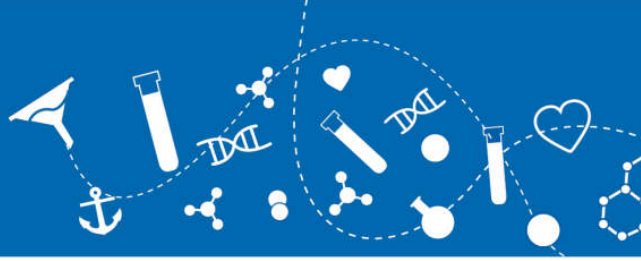
Greater than 97.0% as determined by SDS-PAGE.

Amino Acid Sequence

QHLGMTKCNI TCHKMTSPIP VTLLIHYQLN QESCGKRAII LETRQHRHFC ADPKEKWVQD AMKHLDHQTA ALTRNG

Activity

Fully biologically active when compared to standard. 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 - 200,000 units/mg.



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