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## Product Data Sheet

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Product Name: Fractalkine Human, His  
 Cat. No.: GP21102  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Fractalkine; CX3CL1; Neurotactin; CX3C membrane-anchored chemokine; Small inducible cytokine D1; NTN; NTT; CXC3; CXC3C; SCYD1; ABCD-3; C3Xkine.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MQHHGVT KCN ITCSKMTSKI PVALLIHYQQ NQASCGKRAI ILETRQHRLF CADPKEQWVK DAMQHLDRQA AALTRNG.		
Formulation	The Fractalkine solution (0.5 mg/ml) contains Phosphate Buffered Saline pH7.4 and 10% glycerol.		

### Introduction

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.

### 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.

### Background

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 a.a.) and having a molecular mass of 10.9kDa. The Fractalkine is purified

**Caution: Product has not been fully validated for medical applications. For research use only.**

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by proprietary chromatographic techniques.

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