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## Product Data Sheet

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Product Name: Fractalkine Human, Sf9  
 Cat. No.: GP26094  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Fractalkine, CX3CL1, Neurotactin, CX3C membrane-anchored chemokine, Small inducible cytokine D1, NTN, NTT, CXC3, CXC3C, SCYD1, ABCD-3, C3Xkine.		
Amino Acid Sequence	QHHGVTKCNI TCSKMTSKIP VALLIHYQQN QASCGKRAII LETRQHRLFC ADPKEQWVKDAMQHLDRQAA ALTRNGGTFE KQIGEVKPRTPAAGGMDES VVLEPEATGE SSSLEPTPSSQEAQRALGTS PELPTGVTGS SGTRLPPPTPK AQDGGPVGTE LFRVPPVSTA ATWQSSAPHQPGPSLWAEAK TSEAPSTQDP STQASTASSP APEENAPSEG QRVWGQGQSP RPENSLEREEMGPVPAHTDA FQDWGPGSMA HVSVVPVSSE GTPSREPVAS GSWTPKAEPP IHATMDPQRL GVLITPVPDA QAATRLEHHH HHH		
Formulation	The Fractalkine solution (1 mg/ml) contains 10% Glycerol and Phosphate Buffered Saline (pH 7.4).		

### 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. 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

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Fractalkine Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 323 amino acids (25-339aa) and having a molecular mass of 34.3kDa. Fractalkine is fused to a 8 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

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