

# Product Datasheet

## Recombinant Mouse CX3CL1/Fractalkine Protein NBP2-35038-5ug

Unit Size: 5 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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**NBP2-35038-5ug**

Recombinant Mouse CX3CL1/Fractalkine Protein

Product Information	
Unit Size	5 ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	> 97 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4.
Target Molecular Weight	8.7 kDa

Product Description	
Description	A single non-glycosylated polypeptide chain containing 76 amino acids and comprises only the chemokine domain of CX3CL1/Fractalkine c <b>Source:</b> <i>E. coli</i>  <b>Uniprot ID:</b> O35188  <b>Amino Acid Sequence:</b> QHLGMTKCEI MCGKMTSRIP VALLIRYQLN QESCGKRAIV LETTQHRRFC ADPKEKWVQD AMKHLDHQAA ALTKNG
Gene ID	6376
Gene Symbol	CX3CL1
Species	Mouse
Details of Functionality	CX3CL1 Protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human peripheral blood lymphocytes (PBL) is less than 0.5 ug/ml, corresponding to a specific activity of > 2000 IU/mg.
Endotoxin Note	Less than 0.1 EU/ug of CX3CL1/Fractalkine as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

**Publications**

Apoorvi Chaudhri, Xia Bu, Yunfei Wang, Michael Gomez, James A. Torchia, Ping Hua et al. The CX3CL1-CX3CR1 chemokine axis can contribute to tumor immune evasion and blockade with a novel CX3CR1 monoclonal antibody enhances response to anti-PD-1 immunotherapy Front Immunol 2023-09-13 [PMID: 37771579]





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### **Products Related to NBP2-35038-5ug**

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NBP2-35198-5ug	Recombinant Rat CX3CL1/Fractalkine Protein
210-TA-005	TNF-alpha [Unconjugated]
AF365	CX3CL1/Fractalkine Antibody [Unconjugated]
M6000B-1	IL-6 [HRP]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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