For Research Use Only

Recombinant Mouse CX3CL1 protein (His Tag)

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Catalog Number: Eg0704

Basic Information

ED50:
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Species:
Mouse

Purity:
>90 %, SDS-PAGE

GeneID:
20312

Accession:
O35188

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/μg protein, LAL method

Source:
HEK293-derived Mouse CX3CL1 protein Gln25-Arg337 (Accession# O35188) with a His tag at the C-terminus.

Predicted Molecular Mass:
34 kDa

SDS-PAGE:
60-85 kDa, reducing (R) conditions

Formulation:
Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

CX3CL1, also known as fractalkine, is a trans-membrane chemokine that acts as a ligand for both CX3CR1 and integrins αvβ3 and α4β1. CX3CL1 is expressed by many hematopoietic and nonhematopoietic cells, including macrophages, endothelial cells, neurons, and fibroblasts. It is involved in immune responses and inflammation. CX3CL1 exists in a membrane-anchored molecule and a soluble form, generated by proteolytic cleavage.

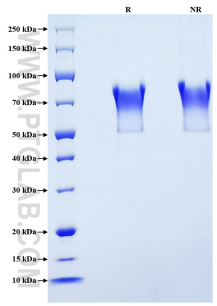
References

1. D L Rossi, et al. (1998) Genomics. 47(2):163-70.
2. K J Garton, et al. (2001) J Biol Chem. 276(41):37993-8001.
3. Christian Hundhausen, et al. (2003) Blood. 102(4):1186-95.
4. Brian A Jones, et al. (2010) Mol Interv. 10(5):263-70.
5. Masaaki Fujita, et al. (2012) J Immunol. 189(12):5809-19.

Synonyms

Cx3cl1,ABCD 3,CX3C,Cxc3,Scyd1

Selected Validation Data



Purity of Recombinant Mouse CX3CL1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.