

For Research Use Only

Recombinant Mouse CXCL16 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg2846

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Mouse CXCL16 protein Asn27-Pro114 (Accession# Q8BSU2) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
66102

Accession:
Q8BSU2

Predicted Molecular Mass:
36.0 kDa

SDS-PAGE:
35-42 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm filtered solution in 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°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C 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

CXC motif chemokine ligand 16 (CXCL16) is classified as an α sub-family chemokine because it has a CXC motif at the N-terminus. Nevertheless, this chemokine lacks the ELR motif, which is common in other pro-angiogenic CXC chemokines. CXCL16 is expressed in lymphoid organs such as the thymus, spleen, lymph nodes, and Peyer's patches, but not in bone marrow. It is also expressed in the liver, lung, small intestine, and kidney.

References

1. Korbecki J, et al. (2021) Int J Mol Sci. 28;22(7):3490.
2. Matloubian M, et al. (2000) Nat. Immunol. 298-304.
3. Wilbanks A, et al. (2001) J. Immunol. 66:5145-5154.

Synonyms

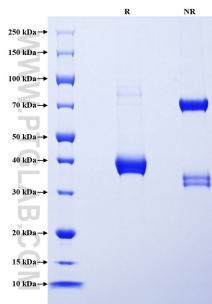
C-X-C motif chemokine 16, Scavenger receptor for phosphatidylserine and oxidized low density lipoprotein, Small-inducible cytokine B16, Srpsox, SR-PSOX

For technical support and original validation data for this product please contact

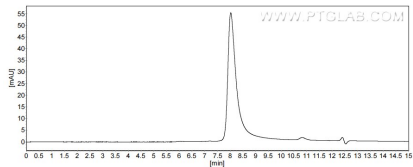
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Selected Validation Data



Purity of Recombinant Mouse CXCL16 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.



The purity of Mouse CXCL16 was greater than 90% as determined by SEC-HPLC.