

For Research Use Only

Recombinant Mouse CXCL15 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg2776

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 CXCL15 protein Gln26-Ala167 (Accession# Q9WVL7) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
20309

Accession:
Q9WVL7

Predicted Molecular Mass:
42.4 kDa

SDS-PAGE:
40-48 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

CXCL15 is a murine chemokine that is not found in humans and for this reason has been poorly researched. CXCL15 is mainly expressed in murine lungs, and to a much lesser extent in the murine digestive tract and urogenital organs. The expression of this chemokine can be increased by chronic hypoxia, as shown by experiments on murine articular chondrocytes, where the overexpression of HIF-2α resulted in an elevated expression of CXCL15.

References

1. Yue F. et al. (2014) Nature. 515:355-364.
2. Schmitz JM. et al. (2007) HistoChem. Cytochem. 55:515-524.
3. Huh YH. et al. (2015) Arthritis Res. Ther. 17:302.

Synonyms

chemokine (C-X-C motif) ligand 15, C-X-C motif chemokine 15, Cxcl-15, Scyb15

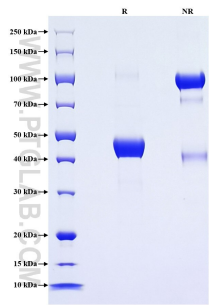
For technical support and original validation data for this product please contact

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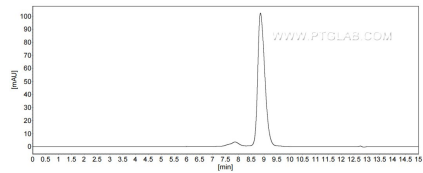
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Selected Validation Data



Purity of Recombinant Mouse CXCL15 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 CXCL15 was greater than 90% as determined by SEC-HPLC.