

Recombinant Mouse IL-28A protein (rFc Tag) (HPLC verified)

Catalog Number: Eg3169

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 IL-28A protein Asp20-Val193 (Accession# Q4VK74) with a rabbit IgG Fc tag at the C-terminus.**GeneID:**
330496**Accession:**
Q4VK74**Predicted Molecular Mass:**
45.7 kDa**SDS-PAGE:**
48-55 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

IL-28A belongs to the type III IFNs (also designated IFN- λ s) and functions as an interferon but is structurally similar to the IL-10 family. IL-28A is not constitutively expressed but can be induced in different hematopoietic and non-hematopoietic cells. IL-28A binds their cellular receptor complex and mainly activates signal transduction via the JAK/STAT pathway. IL-28A exerts an anti-inflammatory and pro-inflammatory role.

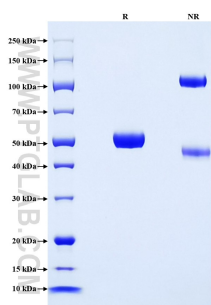
References

1. Witte K. et al. (2010). Cytokine Growth Factor Rev. 21(4):237-251.
2. Ouyang W. et al. (2011). Annu Rev Immunol. 29:71-109.
3. Ni S. et al. (2022). Int Immunopharmacol. 108:108881.

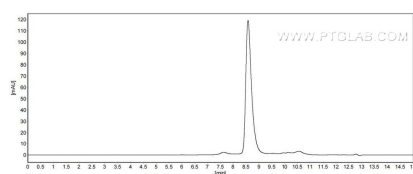
Synonyms

Ifnl2, IFN-lambda-2, IL28a, Interferon lambda-2, Interleukin-28A

Selected Validation Data



Purity of Recombinant Mouse IL-28A 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 IL-28A was greater than 90% as determined by SEC-HPLC.

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

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