

Recombinant Mouse IL-28B/ IFNL3 protein (rFc Tag)

Catalog Number: Eg3146

Basic Information

Species:
Mouse**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human IL-28B protein Asp20-Val193 (Accession# Q8CGK6) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

338374

Accession:

Q8CGK6

Predicted Molecular Mass:

45.6 kDa

SDS-PAGE:

46-55 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-28B, also named as IFNL3, is a cytokine distantly related to type I interferons and the IL-10 family. IL-28B, interleukin 28A (IL-28A), and interleukin 29 (IL-29) are three closely related cytokine genes that form a cytokine gene cluster on a chromosomal region mapped to 19q13. Expression of the cytokines encoded by the three genes can be induced by viral infection. All three cytokines have been shown to interact with a heterodimeric class II cytokine receptor that consists of interleukin 10 receptor, beta (IL-10RB) and interleukin 28 receptor, alpha (IL-28RA). IL-28B was identified as a key regulator of B- and T-cell vaccine responses against influenza.

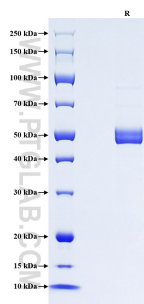
References

1. Sheppard P. et al. (2003). Nat Immunol. 4: 63-68.
2. Katrin Witte. et al. (2010). Cytokine Growth Factor Rev. 21(4):237-251.
3. Christabel Kelly. et al. (2011). Gut. 60(9):1284-1293.
4. Adrian Egli. et al. (2014). PLoS Pathog.10(12):e1004556.

Synonyms

Ifnl3, IFN-lambda-3, IL28, IL28b, IL-28B

Selected Validation Data



Purity of Recombinant Mouse IL-28B was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

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

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