

# Recombinant Human IFN-lambda 3/IL-28B Protein

Catalog No.: RP00219 Recombinant 2 Publications

### **Sequence Information**

Species Gene ID Swiss Prot Human 282617 08IZI9

**Tags** 

C-His

### **Synonyms**

IFNL3;IFN-lambda-3;IFN-lambda-4;IL-28B;IL-28C;IL28B;IL28C

### **Product Information**

**Source** Purification HEK293 cells ≥ 95 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

23.39 kDa 23 kDa

#### **Endotoxin**

< 0.1 EU/ $\mu$ g of the protein by LAL method.

#### **Formulation**

Lyophilized from a 0.22 µm filtered solution of PBS,500mM NaCl, pH 7.4.Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

### Contact

### **Background**

Interleukin-28B (IL-28B) also known as Interferon lambda-3 and IFN-lambda-3, belongs to the type III interferon family of cytokines. IL-28B is a cytokine with immunomodulatory activity. It functions in Up-regulating MHC class I antigen expression. IL-28B displays potent antiviral activity and antitumor activity. This cytokine serves as ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IL28RA. IL-28B is able to increase the percentage of splenic CD8+ T cells in vaccinated animals and have higher antigen-specific cytolytic.

### **Basic Information**

### Description

Recombinant Human IFN-lambda 3/IL-28B Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Val196) of human IFNL3/IL28B/Interleukin-28B (Accession  $\#NP_742151.2$ ) fused with a 6×His tag at the C-terminus.

### **Bio-Activity**

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human IL28B at 2  $\mu$ g/mL (100  $\mu$ L/well) can bind Recombinant Human IL10RB with a linear range of 0.25-1  $\mu$ g/mL.

### Shipping

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

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

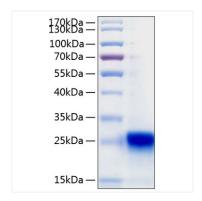
After reconstitution, the protein solution is stable at -20  $^{\circ}$ C for 3 months, at 2-8  $^{\circ}$ C for up to 1 week.

. Avoid repeated freeze/thaw cycles.

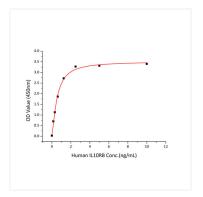
### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

## **Validation Data**



Recombinant Human IFN-lambda 3/IL-28B Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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