

# Recombinant Human IFN-lambda 2/IL-28A Protein

Catalog No.: RP00231 Recombinant

# **Sequence Information**

Species Gene ID Swiss Prot Human 282616 Q8IZI0

**Tags** 

C-His

**Synonyms** 

IFNL2;IL-28A;IL28A; IFNL2a; IFNL3a; IL-28A

# **Product Information**

Source

**Purification** 

HEK293 cells

≥ 95 % as determined by SDS-

PAGE.

Calculated MW Observed MW

20.59 kDa 20-25 kDa

#### **Endotoxin**

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

#### Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, 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

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# **Background**

IL 28A (Interferon-lambda 2; IFN-lambda 2), IL-28B/IFN-lambda 3, and IL-29/IFN-lambda 1 are type III interferons which are distantly related to IL-10 family and type I IFN family cytokines . IL 28A ,interleukin 28B (IL28B), and interleukin 29 (IL29) are three closely related cytokine which are expression can be induced by viral infection.In the liver, the IL-28A induced Th1 cytokine response contributes to inflammation in T cell mediated hepatitis. IL-28A additionally exhibits anti-tumor activity, in part by enhancing IL-12 dependent anti-tumor CTL responses in vivo . In contrast, it is upregulated in invasive bladder cancer where it promotes tumor cell migration.

## **Basic Information**

### Description

Recombinant Human IFN-lambda 2/IL-28A Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val26-Val200) of human IL-28A/IL28A (Accession  $\#NP_742150.1$ ) fused with a 6×His tag at the C-terminus.

# **Bio-Activity**

# 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.

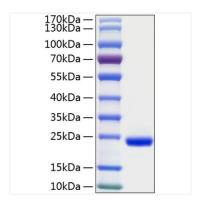
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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 2/IL-28A Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.