

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

Catalog No.: RP00231 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	282616	Q8IZJ0

### Tags

C-His

### Synonyms

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

## Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Calculated MW	Observed MW
20.59 kDa	20-25 kDa

### Endotoxin

&lt; 0.1 EU/μg 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## 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 cytokines which 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 up-regulated 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 6xHis tag at the C-terminus.

### Bio-Activity

### Storage

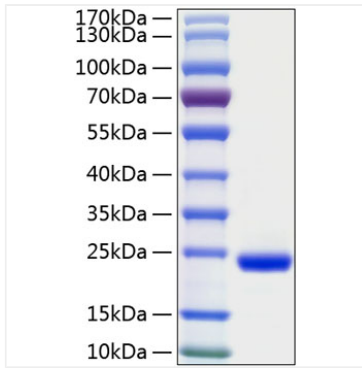
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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.

## Validation Data

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Recombinant Human IL-28A/IL28A Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 20-23 kDa.