

# Human IL-28B/IFN-lambda-3 (His Tag) recombinant protein



Catalog Number: 500592

## General Information

### Gene Name Synonym

Cytokine Zcyto22; Interleukin-28B;  
Interleukin-28C

### Protein Construction

A DNA sequence encoding the human IL28B (NP\_742151.2) (Met 1-Val 196) was expressed, with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured in antiviral assays using WISH human amnion cells infected with vesicular stomatitis virus (VSV). The  $EC_{50}$  for this effect is typically 2-6 ng/mL.
2. Measured by its binding ability in a functional ELISA. Immobilized human IL28B at 20  $\mu$ g/ml (100  $\mu$ l/well) can bind human IL10RB with a linear ranger of 3.125-25  $\mu$ g/ml.

### Purity

> 96 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ g of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Val 22

### Molecular Mass

The recombinant human IL28B consists of 186 amino acids and predicts a molecular mass of 21 kDa. In SDS-PAGE under reducing conditions, rhIL28B migrates as an approximately 23 kDa band.

### Formulation

Lyophilized from sterile PBS, 500mM NaCl, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

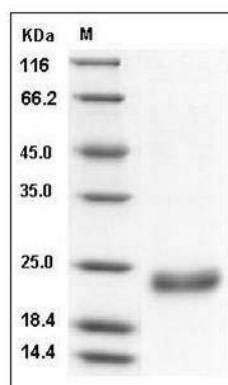
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human IFNL3 / IL28B / Interleukin-28B Protein (His Tag) SDS-PAGE