

# Recombinant Human IL-28B protein(His Tag)

Catalog Number:PKSH034113



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

<b>Synonyms</b>	interferon lambda 3;IFNL3;IFN-lambda-3;IFN-lambda-4;IL-28C;IL28C
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Val 22-Val 196
<b>Accession</b>	Q8IZI9
<b>Calculated Molecular Weight</b>	25.6 kDa
<b>Observed molecular weight</b>	21 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Measure by its ability to protect HepG2 cells infected with encephalomyocarditis (EMC) virus. The ED <sub>50</sub> for this effect is < 5 ng/mL.

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 0.01 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS,pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Background

Interleukin-28B; also known as Cytokine Zcyto22; Interferon lambda-3; Interferon lambda-4; IFNL3; IFNL4; ZCYTO22 and IL28B; is a secreted cytokine which belongs to the IL-28/IL-29 family. IL-28 has also been shown to play a role in the adaptive immune response. IL28B has immunomodulatory activity and up-regulates MHC class I antigen expression. IL28B displays potent antiviral activity and antitumor activity. In addition; IL28B is a ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IL28RA. The ligand/receptor complex seems to signal through the Jak-STAT pathway.

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017