

Human IL-28B, His Tag, E. coli

Catalog Number	LDG097PHE
Package	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Human

Affinity Tag

His Tag (C-term)

Purity

>95% as determined by SDS-PAGE analysis.

Activity

Measure by its ability to protect HepG2 cells infected with encephalomyocarditis (EMC) virus. The ED₅₀ for this effect is <5 ng/mL.

Form

Lyophilized

Expression System

Escherichia coli

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.

Molecular weight

The protein has a calculated MW of 25.57 kDa. The protein migrates as 21 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin Level

<0.01 EU per 1 µg of the protein by the LAL method.

Background

Tainan Headquarters

+886-6-2536677

bd@leadgene.com.tw

Innovation & Research Center

+886-2-27065528

CLD Center

+886-6-2536677

Background

Interleukin-28B (IL-28B, now known as Interferon Lambda 3, IFN- λ 3) is a 19.77 kDa member of type III IFN family with 176 amino acid residues. IL-28B is expressed by epithelial tissues. Cytokine with antiviral, antitumor and immunomodulatory activities. Able to activate JAK/STAT signaling pathway via binding its receptor IFNLR1 in epithelial cells.

Uniprot ID

#Q8IZI9

Synonyms

Cytokine Zcyto22, Interleukin-28B, IL-28B, Interleukin-28C, IL-28C, Interferon lambda-3

Sequence Note

Val22-Val196

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration of 200 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 2 weeks under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image

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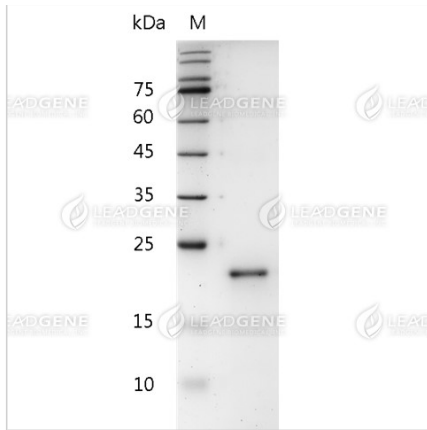
✉ bd@leadgene.com.tw

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SDS-PAGE analysis of recombinant human IL-28B.

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