

Active Recombinant Human IL28B Protein (Val22-Val196), C-His tagged, Animal-free, Carrier-free

Cat. No. IL28B-130H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL28B Protein (Val22-Val196) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Val22-Val196
Description	Interleukin-28B (IL-28B, now known as Interferon Lambda 3, IFN-λ3) 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.
Form	Lyophilized
Bio-activity	Measure by its ability to protect HepG2 cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is < 5 ng/mL.
Molecular Mass	The protein has a calculated MW of 25.57 kDa. The protein migrates as 21 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.01 EU/μg of the protein by the LAL method.

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Purity	>95% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 2 weeks under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	IL28B interleukin 28B (interferon, lambda 3) [Homo sapiens (human)]
Official Symbol	IL28B
Synonyms	IL28B; interleukin 28B (interferon, lambda 3); interleukin 28B; interleukin-28B; IFNL3; IL 28B; IL28C; IL-28C; IFN-lambda-3; IFN-lambda-4; interleukin 28C; interleukin-28C; cytokine Zcyto22; interferon lambda-3; interferon lambda-4; interferon, lambda 3; interferon, lambda 4; IL-28B;
Gene ID	282617
mRNA Refseq	NM_172139

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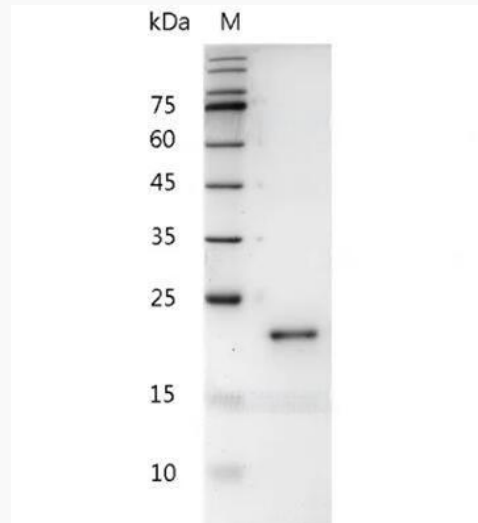
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Protein Refseq NP_742151

MIM 607402

UniProt ID Q8IZI9

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



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