

IL28B Recombinant Protein | IFNL3 recombinant protein

IL28B Protein, Mouse, Recombinant (His Tag)

CATALOG #
AAA257491

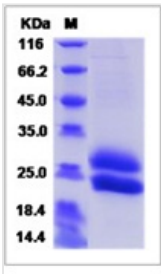
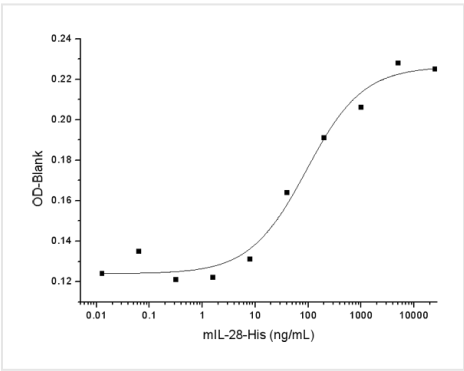
HOST
HEK293 Cells

PRODUCT SYNONYMS

IL28B; IL28B Protein; Mouse; Recombinant (His Tag); Mouse IL-28B/IFN-lambda-3 Protein (His Tag); interferon; lambda 3; IFL-1 Protein; IL-28B Protein; IL28 Protein; IL28b Protein; INF-alpha Protein; INF-lambda Protein; IFNL3 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>95 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence Positions	185aa
Sequence	Met1-Val193
Species	Mouse
Tag	C-His
Endotoxin	<1.0EU per ug protein as determined by the LAL method
Predicted N Terminal	Asp20
Protein Construction	JA DNA sequence encoding the mouse Ifnl3 (NP_796370.1) (Met1-Val193) was expressed with a polyhistidine tag at the C-terminus
Activity	Measured in antiviral assay using HepG2 cells infected with vesicular stomatitis virus. The ED50 for this effect is typically 44.6-178.4ng/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Shipping: They are shipped out with blue ice pack



Application Data

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Measured in antiviral assay using HepG2 cells infected with vesicular stomatitis virus. The ED50 for this effect is typically 44.6-178.4 ng/mL.

ADDITIONAL INFORMATION

Related Product Information for IFNL3 recombinant protein	Interleukin-28B (IL-28B) also known as Interferon lambda-3 and IFN-lambda-3, belongs to the type III interferon family of cytokines and are highly similar to IL-29. IL-28B belongs to the newly described interferon lambda (IFNlambda) family of cytokines. IL-28B is a cytokine with immunomodulatory activity. It functions in Up-regulating MHC class I antigen expression. IL-28B displays potent antiviral activity and antitumor activity. This cytokine serves as 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. IL-28B, like IL-12, is capable of robustly enhancing adaptive immunity. Moreover, we describe for the first time how IL-28B reduces regulatory T-cell populations during DNA vaccination, whereas IL-12 increases this cellular subset. We also show that IL-28B, unlike IL-12, can increase the percentage of splenic CD8+ T cells in vaccinated animals and that these cells are more granular and have higher antigen-specific cytolytic degranulation compared with cells taken from animals that received IL-12 as an adjuvant.
References	Ge D, et al.. (2009) Genetic variation in IL28B predicts hepatitis C treatment-induced viral clearance. Nature. 461(7262): 399-401. Morrow MP, et al.. (2009) Comparative ability of IL-12 and IL-28B to regulate Treg populations and enhance adaptive cellular immunity. Blood. 113(23): 5868-77. Sheppard P, et al.. (2003) IL-28, IL-29 and their class II cytokine receptor IL-28R. Nat Immunol. 4(1): 63-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	28893579
NCBI GeneID	338374
NCBI Accession #	NP_796370.1
NCBI GenBank Nucleotide #	NM_177396.1
UniProt Accession #	Q8CGK6; Q4VK73
Molecular Weight	21,664 Da
NCBI Official Full Name	interferon lambda-3
NCBI Official Synonym Full Names	interferon lambda 3
NCBI Official Symbol	Ifnl3
NCBI Official Synonym Symbols	IL28; IFL-1; IL28b; IL-28B; INF-alpha; INF-lambda
NCBI Protein Information	interferon lambda-3; IFN-lambda-3; interferon alpha; interleukin 28; interleukin 28B; interleukin-28B
UniProt Protein Name	Interferon lambda-3
UniProt Gene Name	Ifnl3

UniProt Synonym Gene Names	IL28; IL28b; IFN-lambda-3; IL-28B
UniProt Entry Name	IFNL3_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ifnl3-recombinant-protein-hek293-cells/257491>