

IL-29 Recombinant Protein | IFNL1 recombinant protein

IL-29 Protein, Human, Recombinant (His Tag)

CATALOG #
AAA257438

HOST
HEK293 Cells

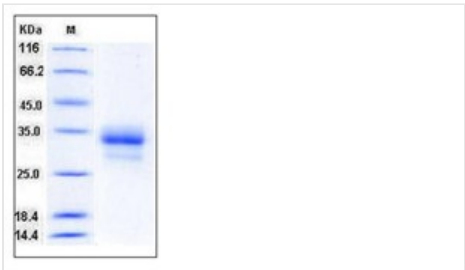
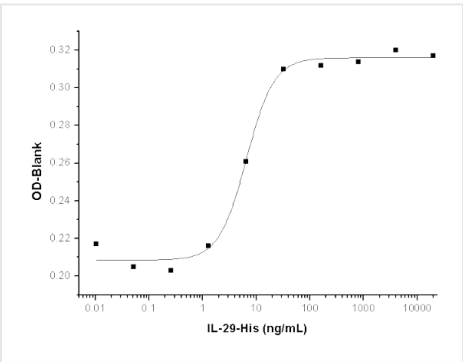
PRODUCT SYNONYMS

IL-29; IL-29 Protein; Human; Recombinant (His Tag); Human IL-29/Interleukin-29 Protein (His Tag); interferon; lambda 1; IFNL1 Protein; IL29 Protein; IFNL1 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>92 % 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	192aa
Sequence	Met1-Thr200
Species	Human
Tag	C-His
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Gly20
Protein Construction	A DNA sequence encoding the human IL29 (NP_742152.1) (Met 1-Thr 200) was fused with a polyhistidine tag at the C-terminus
Activity	Measured in antiviral assays using HepG2 cells infected with vesicular stomatitisvirus (VSV). The ED50 for this effect is typically 4-20ng/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

IMAGES



Application Data

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ADDITIONAL INFORMATION

Related Product Information for IFNL1 recombinant protein	Interleukin-29 (IL-29), also known as cytokine Zcyto21, Interferon lambda-1, IFN-lambda-1, and IFNL1, is a secreted protein that belongs to the IL-28/IL-29 family. IL-29 is a cytokine with immunomodulatory activity. IL-29 is highly similar in amino acid sequence to the IL-28. IL-28 and IL-29 are induced by a viral infection and showed antiviral activity. IL-28 and IL-29 interacted with a heterodimeric class II cytokine receptor that consisted of IL-10 receptor beta (IL-10Rbeta) and an orphan class II receptor chain, designated IL-28Ralpha. IL-29 plays an important role in host defenses against microbes and its gene is highly upregulated in cells infected with viruses. IL-29 may play a role in antiviral immunity. IL-29 up-regulates MHC class I antigen expression. It 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.
References	Li MC, et al. (2006) Liposome-mediated IL-28 and IL-29 expression in A549 cells and anti-viral effect of IL-28 and IL-29 on WISH cells. Acta Pharmacol Sin. 27(4): 453-9.Wang J, et al. (2009) Differentiated human alveolar type II cells secrete antiviral IL-29 (IFN-lambda 1) in response to influenza A infection. J Immunol. 182(3): 1296-304.Jordan WJ, et al. (2007) Modulation of the human cytokine response by interferon lambda-1 (IFN-lambda1/IL-29). Genes Immun. 8(1): 13-20.

NCBI AND UNIPROT INFORMATION

NCBI GI #	26024325
NCBI GeneID	282618
NCBI Accession #	NP_742152.1
NCBI GenBank Nucleotide #	NM_172140.1
UniProt Accession #	Q8IU54; Q17R34; A0AV25
Molecular Weight	21,898 Da
NCBI Official Full Name	interferon lambda-1
NCBI Official Synonym Full Names	interferon, lambda 1
NCBI Official Symbol	IFNL1
NCBI Official Synonym Symbols	IL29; IL-29
NCBI Protein Information	interferon lambda-1; IFN-lambda-1; interleukin-29; cytokine Zcyto21; interferon-lambda-1; interleukin 29 (interferon, lambda 1)
UniProt Protein Name	Interferon lambda-1
UniProt Gene Name	IFNL1

UniProt Synonym Gene Names	IL29; ZCYTO21; IFN-lambda-1; IL-29
UniProt Entry Name	IFNL1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/ifnl1-recombinant-protein-hek293-cells/257438>