Recombinant Human interferon lambda 2 Protein, Tag Free

Cat. No. IFNL2-267H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IL-28A/IFN-lambda 2 protein (Q8IZJ0) (Val 26-Val 200) without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	26-200aa
Description	Cytokine with antiviral, antitumour and immunomodulatory activities. Plays a critical role in the antiviral host defense, predominantly in the epithelial tissues. Acts as a ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IFNLR1, and receptor engagement leads to the activation of the JAK/STAT signaling pathway resulting in the expression of IFN-stimulated genes (ISG), which mediate the antiviral state. Has a restricted receptor distribution and therefore restricted targets: is primarily active in epithelial cells and this cell type-selective action is because of the epithelial cell-specific expression of its receptor IFNLR1. Seems not to be essential for early virus-activated host defense in vaginal infection, but plays an important role in Toll-like receptor (TLR)-induced antiviral defense. Plays a significant role in the antiviral immune defense in the intestinal epithelium. Exerts an immunomodulatory effect by up-regulating MHC class I antigen expression.
Tag	Non
Molecular Mass	20.1 kDa

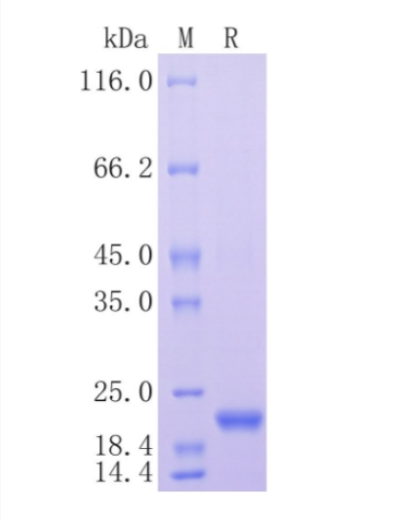
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Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 μg/mL in sterile water.

GENE INFORMATION

Gene Name	IFNL2 interferon lambda 2 [Homo sapiens (human)]
Official Symbol	IFNL2
Synonyms	IL28A; interleukin 28A (interferon, lambda 2); interleukin 28A; interleukin-28A; IFNL2; IL 28A; IFN-lambda-2; cytokine Zcyto20; interferon lambda 2; interferon lambda-2; interferon-lambda 2; IL-28A;
Gene ID	282616
mRNA Refseq	NM_172138
Protein Refseq	NP_742150
MIM	607401

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UniProt ID	Q8IZJ0
Protein on SDS-PAGE under reducing (R) condition.	

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