

Active Recombinant Human IL28A Protein, Animal Free

Cat. No. IL28A-33H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL28A Protein without tag was expressed in Human cells. Animal Free and Xeno Free
Species	Human
Source	Human Cells
Description	IL-28A, also named interferon $\lambda 2$ (IFN $\lambda 2$), belongs to the type III interferon protein family, which is distinct from the type I IFNs. IL-28A is induced by virus infection or double stranded RNA. IL-28A 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. IL-28A has antiviral, antitumor and immunomodulatory activities, plays a critical role in the antiviral host defense, predominantly in the epithelial tissues.
Bio-activity	The activity was measured by its anti-virus function in A549 cells (human lung adenocarcinoma epithelial cell line) infected with encephalomyocarditis (EMC) virus.
Molecular Mass	24 kDa
Endotoxin	<0.5 EU/ μ g
Purity	High Purity, >95% by SDS-PAGE

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Stability	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -80 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS without carrier protein
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

GENE INFORMATION

Gene Name	IL28A interleukin 28A (interferon, lambda 2) [Homo sapiens (human)]
Official Symbol	IL28A
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
UniProt ID	Q8IZJ0

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