Recombinant Human Interleukin 28A (interferon, lambda 2)

Cat. No. IL28A-131H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IL28Ais expressed in human 293 cells with an apparent molecular mass of 24 kDa.This cytokine is produced in a serum-free, chemically defined media.Production in human 293 cells offers authentic human post-translationalmodification which contributes to stability in cell growth media and otherapplications. The purity is greater than 95%.
Species	Human
Source	HEK293
Description	IL28 is a cytokinethat comes in two isoforms, IL28A and IL28B, and plays a role in immunedefense against viruses, including the induction an antiviral state byturning on Mx proteins, 2",5"-oligoadenylate synthetase as well as ISGF3G(Interferon Stimulated Gene Factor 3). IL28A and IL28B belong to the type IIIinterferon family of cytokines and are highly similar (in amino acidsequence) to IL-29.
Purity	>95% The proteinwas resolved by SDS polyacrylamide gel electrophoresis and the gel was stainedwith Coomassie blue.
Molecular Mass	24 kDa monomer,non-glycosylated.
Endotoxin Level	Endotoxin Free <1EU/μg
Biological Activity	0.5 to 5 ng/mL ED50

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Specific Activity	The specificactivity was determined by the dose dependent protection of the cytopathiceffect on A549 cells (human lung adenocarcinoma epithelial cell line) thatwere challenged with encephalomyocarditis (EMC) virus.
OfficialSymbol	IL28A
Pathways	Cytokine-cytokinereceptor interaction; Jak-STAT signaling pathway

GENE INFORMATION

Gene Name	IL28A interleukin 28A(interferon, lambda 2) [Homo sapiens]
Synonyms	IL28A;interleukin 28A (interferon, lambda 2); IFNL2; IL-28A; interleukin-28A;IFN-lambda-2; cytokine Zcyto20; interferon lambda 2; interferon lambda-2;interferon-lambda 2; Interleukin-28A; Cytokine Zcyto20; Interferon lambda-2
Gene ID	282616
mRNA Refseq	NM_172138
Protein Refseq	NP_742150
MIM	607401
UniProt ID	Q8IZJ0
Chromosome Location	19q13.13
Function	cytokine activity

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