Active Recombinant Human Interleukin 28A

Cat. No. IL28A-539H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IL28A was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	IFN-lambda-1, -2, and -3 (also known as IL29, IL28A and IL28B respectively) are distantly related to the IL10 family and Interferons. All three IFN-lambdas uses a distinct receptor system composed of an IFN-lambdaR1 subunit (also called CRF2-12) and IL10R2 subunit (also called CRF2-14). Signaling through this receptor system induces antiviral defense similar but distinct than the type I Interferons.
Form	Supplied as a lyophilized powder.
Purity	>98% pure by SDS PAGE and HPLC
Sequence	Region of IFN Gamma 2 protein corresponding to amino acids PVARLHGALP DARGCHIAQF KSLSPQELQA FKRAKDALEE SLLLKDCRCH SRLFPRTWDL RQLQVRERPM ALEAELALTL KVLEATADTD PALVDVLDQP LHTLHHILSQ FRACIQPQPT AGPRTRGRLH HWLYRLQEAP KKESPGCLEA SVTFNLFRLL TRDLNCVASG DLCV.
Molecular Mass	19.6 kDa

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Applications	Numerous applications are possible with this product and should be tested by the end user under their own laboratory conditions
Endotoxin Levels	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
Bioactivity	Determined by its ability to activate STAT following receptor-ligand interaction.
Storage	Store at 4 deg C until reconstitution. Following reconstitution aliquot and freeze at -20 deg C for long term storage. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name	IL28A interleukin 28A (interferon, lambda 2) [Homo sapiens]
Official Symbol	IL28A
Synonyms	IL28A; interleukin 28A (interferon, lambda 2);IFNL2; IL-28A; IFN-lambda-2; interferon lambda 2; interferon-lambda 2; Interleukin-28A; Interferon lambda-2; IFN-lambda-2; ZCYTO20; Cytokine ZCYTO20
Gene ID	282616
mRNA Refseq	NM_172138
Protein Refseq	NP_742150
MIM	607401
UniProt ID	Q8IZJ0
Chromosome Location	19q13.13

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Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway
Function	Cytokine activity

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