

## Active Recombinant Human Interleukin 28A

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant human IL28A was expressed in E. coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	Human
<b>Description</b>	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.
<b>Form</b>	Supplied as a lyophilized powder.
<b>Purity</b>	>98% pure by SDS PAGE and HPLC
<b>Sequence</b>	Region of IFN Gamma 2 protein corresponding to amino acids PVARLHGALP DARGCHIAQF KSLSPQELQA FKRAKDALEE SLLLKDCRCH SRLFPRTWDL RQLQVRERPM ALEAELALTL KVLEATADTD PALVDVLDQP LHTLHHILSQ FRACIQPQPT AGPRTRGR LH HWLYRLQEAP KKESPGCLEA SVTFNLFRL TRDLNCVASG DLCV.
<b>Molecular Mass</b>	19.6 kDa

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Applications</b>	Numerous applications are possible with this product and should be tested by the end user under their own laboratory conditions
<b>Endotoxin Levels</b>	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
<b>Bioactivity</b>	Determined by its ability to activate STAT following receptor-ligand interaction.
<b>Storage</b>	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

<b>Gene Name</b>	IL28A interleukin 28A (interferon, lambda 2) [ Homo sapiens ]
<b>Official Symbol</b>	IL28A
<b>Synonyms</b>	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
<b>Gene ID</b>	282616
<b>mRNA Refseq</b>	NM_172138
<b>Protein Refseq</b>	NP_742150
<b>MIM</b>	607401
<b>UniProt ID</b>	Q8IZJ0
<b>Chromosome Location</b>	19q13.13

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>Pathway</b>	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway
----------------	--

<b>Function</b>	Cytokine activity
-----------------	-------------------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA