

## Recombinant Human IFNL1 Protein

Cat. No. IFNL1-118H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IFNL1 Protein without tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Interleukin 29 (IL-29), also known as IFN- $\lambda$ , is a type III interferon produced by virally infected cells. IL-29 plays an important role in host defenses against microbes and antiviral activity. IL-29 shares homology with interleukin 28 (IL-28) and binds the class II cytokine receptor IL-28R.
<b>Bio-activity</b>	No biological activity data is available at this time.
<b>Molecular Mass</b>	Monomer, 19.9 kDa (179 aa)
<b>AA Sequence</b>	MPTSKPTTTGKKGCHIGRFKSLSPQELASFKKARDALEESLKLKNWSCSSPVFPGNW DLRLLQVRERPVALEAELALTLKVLEAAAGPALEDVLDQPLHTLHHILSQLQACIQPQ PTAGPRPRGRLHHWLHRLQEAPKKESAGCLEASVTFNLFRLLTRDLKYVADGNLCL RTSTHPEST
<b>Endotoxin</b>	$\leq 1$ EUs/ $\mu$ g, Kinetic LAL
<b>Purity</b>	$\geq 95\%$ , Reducing and Non-Reducing SDS PAGE
<b>Stability</b>	12 months from date of receipt when stored at -20 to -80 centigrade as supplied.

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1 month when stored at 4 centigrade after reconstituting as directed.  
 3 months when stored at -20 to -80 centigrade after reconstituting as directed.

**Storage** Storage Prior to Reconstitution: -20 centigrade

**Storage Buffer** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)

**Reconstitution** Sterile water at 0.1 mg/mL

**Shipping** Room temperature

**Instructions** Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

## GENE INFORMATION

**Gene Name** IFNL1 interferon lambda 1 [ Homo sapiens (human) ]

**Official Symbol** IFNL1

**Synonyms** IFNL1; interferon lambda 1; IL29; IL-29; interferon lambda-1; IFN-lambda-1; cytokine Zcyto21; interleukin 29 (interferon, lambda 1); interleukin-29

**Gene ID** 282618

**mRNA Refseq** NM\_172140

**Protein Refseq** NP\_742152

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**MIM** [www.omim.org/entry/607403](http://www.omim.org/entry/607403)

**UniProt ID** [Q8IU54](https://www.uniprot.org/entry/Q8IU54)

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