

## Active Recombinant Human IFNL2 Protein

Cat. No. IFNL2-944H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IFNL2 was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	This gene encodes a cytokine distantly related to type I interferons and the IL-10 family. This gene, interleukin 28B (IL28B), and interleukin 29 (IL29) are three closely related cytokine genes that form a cytokine gene cluster on a chromosomal region mapped to 19q13. Expression of the cytokines encoded by the three genes can be induced by viral infection. All three cytokines have been shown to interact with a heterodimeric class II cytokine receptor that consists of interleukin 10 receptor, beta (IL10RB) and interleukin 28 receptor, alpha (IL28RA).
<b>Form</b>	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
<b>Bio-activity</b>	Determined by its ability to activate STAT phosphorylation in an ISRE Luciferase Reporter Assay using human colon carcinoma COLO205 cells. The expected ED50 is 0.3-0.5 ng/ml.
<b>Molecular Mass</b>	19.6 kDa
<b>AA Sequence</b>	PVARLHGALPDARGCHIAQFKSLSPQELQAFKRAKDALEESLLLKDCRCHSRLFPRTWDLRQLQVRERPMALAEALALTLKVLEATADTDPALVDVLDQPLHLHILSQFRACI

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QPQPTAGPRTRGRLHHWLYRLQEAPKKESPGCLEASVTFNLFRLLTRDLNLCVASGD  
LCV

**Endotoxin** Endotoxin level is <0.1 ng/g of protein (<1EU/g).

**Purity** >95% as determined by SDS-PAGE and Coomassie blue staining

**Concentration** Resuspend the protein in the desired concentration in proper buffer

## GENE INFORMATION

**Gene Name** IFNL2 interferon lambda 2 [ Homo sapiens (human) ]

**Official Symbol** IFNL2

**Synonyms** IL28A; IL-28A

**Gene ID** 282616

**mRNA Refseq** NM\_172138

**Protein Refseq** NP\_742150

**MIM** 607401

**UniProt ID** Q8IZJ0

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