

Recombinant Human interferon, lambda 2, His-tagged

Cat. No. IFNL2-466H Lot. No. (See product label)

SPECIFICATION

Product Overview	IFNL2, 26-200aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	26-200 a.a.
Description	<p>IFNL2, also known as Interleukin 28A (IL28A), is a cytokine distantly related to type I interferons and the IL-10 family. Interleukin 28A (IL28A), 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). Recombinant human IFNL2 protein, fused to His-tag at N-terminus, was expressed in E.coli .</p>
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Molecular Mass	22.1 kDa (198aa)
AA Sequence	<p>MGSSHHHHHH SSGLVPRGSH MGSVPVARLH GALPDARGCH IAQFKSLSPQ ELQAFKRAKD ALEESLLKLD CRCHSRLFPR TWDLRQLQVR ERPMALAEAL ALTLKVLEAT ADTDPALVDV LDQPLHTLHH ILSQFRACIQ PQPTAGPRTR</p>

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GRLHHWLYRL QEAPKKESPG CLEASVTFNL FRLLTRDLNC VASGDLCV

Purity >85 % by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

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

Official Symbol IFNL2

Synonyms IFNL2; IL28A; IL-28A; interferon, lambda 2; interferon lambda-2; IFN-lambda-2; interleukin-28A; cytokine Zcyto20; interferon lambda 2; interferon-lambda 2; interleukin 28A (interferon, lambda 2)

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; Type III interferon signaling
Function	cytokine activity

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