

Recombinant Active Human IFNL1 Protein, His-tagged(C-ter)

Cat. No. IFNL1-120H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Active Human IFNL1 Protein with His tag (C-ter) was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a cytokine distantly related to type I interferons and the IL-10 family. This gene, interleukin 28A (IL28A), and interleukin 28B (IL28B) 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). [provided by RefSeq, Jul 2008]
Form	Powder
Bio-activity	Determined by its ability to induce IL-8 secretion in HuH7 cells. The ED50 for this effect is < 6 ng/mL.
AA Sequence	MPTSKPTTTGKGCHIGRFKSLSPQELASFKKARDALEESLKLKNWSCSSPVFPGNW DLRLLQVRERPVALEAELALTLKVLEAAAGPALEDVLDQPLHTLHHILSQLQACIQPQ PTAGPRPRGRLHHWLHRLQEAPKKESAGCLEASVTFNLFRLLTRDLKYVADGNLCL RTSTHPEST

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Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

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

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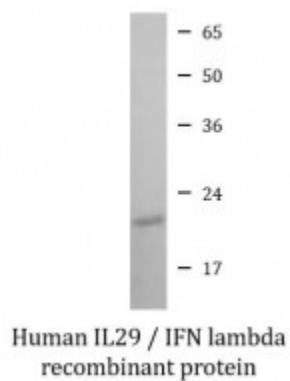
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Protein Refseq NP_742152

MIM 607403

UniProt ID Q8IU54

SDS-PAGE



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