

Active Recombinant Human IFNL1 Protein

Cat. No. IFNL1-945H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFNL1 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).
Form	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bio-activity	Determined by its ability to activate STAT phosphorylation in an ISRE Luciferase Reporter Assay using human colon carcinoma COLO205 cells. The expected ED50 is 0.2-0.5 ng/ml.
Molecular Mass	19.8 kDa
AA Sequence	PTSKPTTTGKGCHIGRFKSLSPQELASFKKARDALEESLKLKNWSCSSPVFPGNWD LRLQLVRRERPVALEAELALTLKVLEAAAGPALEDVLDQPLHTLHHILSQLQACIQPQP

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TAGPRPRGRLHHWLHRLQEAPKKESAGCLEASVTFNLFRLLTRDLKYVADGNLCLR
TSTHPES

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 IFNL1 interferon lambda 1 [Homo sapiens (human)]

Official Symbol IFNL1

Synonyms L29; IL-29

Gene ID 282618

mRNA Refseq NM_172140

Protein Refseq NP_742152

MIM 607403

UniProt ID Q8IU54

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