

Active Recombinant Human IFNL1 Protein, His-tagged

Cat. No. IFNL1-02H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL-29/IFN-lambda 1 Protein (Gly20-Thr200) with a C-terminal 10-His tag was expressed in Mouse myeloma cell line.
Species	Human
Source	NS0
ProteinLength	20-200 a.a.
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).
Bio-activity	Measured in an anti-viral assay using HepG2 human hepatocellular carcinoma cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is 1-5 ng/mL.
Molecular Mass	26-35 kDa
N-terminal Sequence Analysis	Gly20

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Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein.
Reconstitution	Reconstitute at 100 μg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.
Shipping	The product is shipped at ambient temperature.

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
MIM	607403

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UniProt ID

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