

Active Recombinant Mouse Ifnl3 Protein, His-Tagged

Cat. No. Ifnl3-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Ifnl3 Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	Interleukin-28 (IL-28) is a cytokine that comes in two isoforms, IL-28A and IL-28B, and plays a role in immune defense against viruses, including the induction of an "antiviral state" by turning on Mx proteins, 2',5'-oligoadenylate synthetase as well as ISGF3G (Interferon Stimulated Gene Factor 3). IL-28A and IL-28B belong to the type III interferon family of cytokines and are highly similar (in amino acid sequence) to IL-29. Their classification as Interferons is due to their ability to induce an antiviral state, while their additional classification as cytokines is due to their chromosomal location as well as the fact that they are encoded by multiple exons, as opposed to a single exon, as most type-I IFNs are.
Form	Lyophilized powder
AA Sequence	MDPVPRATRLPVEAKDCHIAQFKSLSPKELQAFKKAKGAIEKRLLEKDMRCSSHLISR AWDLKQLQVQERP KALQAEVALTLKVWENINDSA LTTILGQPLHTLSHIHSQLQTCTQLQATAEPKPPSRRLSRWLHRLQEAQSKETPGCL EDSVTSNLFQLLLRLDKCVASGDQCV with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.

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Bio-activity	Measure by its ability to protect HepG2 cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is <20 ng/mL.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

GENE INFORMATION

Gene Name	Ifnl3 interferon lambda 3 [Mus musculus (house mouse)]
Official Symbol	Ifnl3
Synonyms	IL28; IFL-1; IL28b; IL-28B; Ifl1a2; INF-alpha; INF-lambda
Gene ID	338374
mRNA Refseq	NM_177396.1
Protein Refseq	NP_796370.1
UniProt ID	Q4VK73

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