

Active Recombinant Mouse Ifnl2 Protein

Cat. No. Ifnl2-145M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse interleukin 28A (Il28a) without tag was expressed in E.coli.
Species	Mouse
Source	E.coli
Description	Cytokine with antiviral, antitumour and immunomodulatory activities. Plays a critical role in the antiviral host defense, predominantly in the epithelial tissues. Acts as a ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IFNLR1, and receptor engagement leads to the activation of the JAK/STAT signaling pathway resulting in the expression of IFN-stimulated genes (ISG), which mediate the antiviral state. Has a restricted receptor distribution and therefore restricted targets: is primarily active in epithelial cells and this cell type-selective action is because of the epithelial cell-specific expression of its receptor IFNLR1. Seems not to be essential for early virus-activated host defense in vaginal infection, but plays an important role in Toll-like receptor (TLR)-induced antiviral defense. Plays a significant role in the antiviral immune defense in the intestinal epithelium. Exerts an immunomodulatory effect by up-regulating MHC class I antigen expression
Bio-activity	Determined by its ability to activate STAT following receptor-ligand interaction.
Molecular Mass	19.8 kDa
AA Sequence	MDPVPRATRLPVEAKDCHIAQFKSLSPKELQAFKKAKDAIEKRLLEKDMRCSHLISR

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AWDLKQLQVQERP KALQAEVALTLKVWENMTDSALATILGQPLHTLSHIHSQLQTCT
QLQATAEPKPPSRRLSRWLHRLQEAQSKETPGCLEDSVTSNLFRLLTRDLKCVASG
DQCV

Endotoxin Endotoxin level is < 0.1 ng/g of protein (< 1 EU/g)

Purity >95%, as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for at least 6 months from date of receipt under proper storage and handling conditions.

Storage Store at -80 centigrade.

Storage Buffer Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2

Reconstitution Resuspend the protein in the desired concentration in proper buffer.

GENE INFORMATION

Gene Name *Ifnl2* interferon lambda 2 [*Mus musculus* (house mouse)]

Official Symbol *Ifnl2*

Synonyms *Ifnl2*; interferon lambda 2; IL28a; IL-28A; EG330496; interferon lambda-2; IFN-lambda-2; IFN-lambda2; interferon-lambda2; interleukin-28A

Gene ID 330496

mRNA Refseq NM_001024673

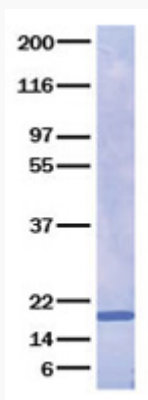
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