



Recombinant Mouse IFN-lambda2

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	M10-068S
Size:	5 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	330496
Synonyms:	Il28a; Ifnl2; IL-28A; EG330496;

Human/mouse IFN-lambda 2 or IL-28A, IL-28B (or IFN-lambda 3), and human IL-29 (IFN-lambda 1) are class II cytokine receptor ligands that are distantly related to members of the IL-10 family (11 - 13% amino acid (aa) sequence identity) and type I IFN family (15 - 19% aa sequence identity). These cytokines exert bioactivities that overlap those of type I IFNs, including antiviral activity and up-regulation of MHC class I antigen expression. The proteins signal through the same heterodimeric receptor complex that is composed of the IL-10 receptor beta (IL-10 R beta) and a novel IL-28 receptor alpha (IL-28 R alpha, also known as IFN-lambda R1). Mouse IL-28 shares 61%, 62%, and 52% aa identity with human IL-28A, IL-28B, and IL-29, respectively.

Sequence

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MDPVPRATRL PVEAKDCHIA QFKSLSPKEL QAFKKA KDAI
EKRLLEKDMR CSSHLISRWA DLKQLQVQER PKALQAEVAL
TLKVVWENMTD SALATIILGQP LHTLSHTHSQ LQTCTQLQAT
AEPKPPSRRL SRWLHRLQEA QSKETPGCLE DSVTSNLFRL
LTRDLKCVAS GDQCV
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Database References

Protein RefSeq:	NP_00109844.2
Uniprot ID:	Q4VK74
mRNA RefSeq:	NM_001024673

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	175
MW:	19.8 kDa

Biological Activity: Determined by its ability to activate STAT following receptor-ligand interaction.



AVOID REPEATED FREEZE AND THAW CYCLES!