



Recombinant Human IFN-lambda2 (IL-28A)

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-194
Size:	20 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	282616
Synonyms:	IL28A; IFNL2; IL-28A;

IFN lambda-1,-2, and -3 (also known as IL-29, IL-28A and IL-28B respectively) are distantly related to the IL-10 family and Interferons. All three IFN-lambdas uses a distinct receptor system composed of an IFN-lambdaR1 subunit (also called CRF2-12) and IL-10R2 subunit (also called CRF2-14). Signaling through this receptor system induces antiviral defense similar but distinct than the type I Interferons. Recombinant murine IFN-lambda2 is a 19.8 kDa protein containing 175 amino acid residues.

Sequence

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PVARLHGALP DARGCHIAQF KSLSPQELQA FKRA KDALEE
SLLLKDCRCH SRLFPRTWDL RQLQVRERPM ALEAELALTL
KVLEATADTD PALVDVLDQP LHTLHHILSQ FRACIQFPPT
AGPRTGRRLH HWLYRLQEAP KKESPGCLEA SVTFNLFRLI
TRDLNCVASG DLCV
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Database References

Protein RefSeq:	NP_742150.1
Uniprot ID:	Q8IZJ0
mRNA RefSeq:	NM_172138

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):	174
MW:	19.6 kDa

Biological 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 0.3-0.5 ng/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!