

Recombinant Mouse Interleukin 28a

Cat. No. IL28a-229M Lot. No. (See product label)

SPECIFICATION

Species Mouse

Source Mammalian Cells

Description Interleukin-28A (IL-28A) also known as IFNL2 is a novel cytokine that exerts its biological effects through a receptor that also binds IL28B and IL29. IL28A induces phosphorylation of STAT1, STAT2, and STAT3 IL-28A has antiviral activities and stimulates antiviral responses through a heterodimeric receptor. IL-28A represents a potential novel approach for therapy of Th1-mediated inflammatory diseases such as T-cell-mediated hepatitis.

Molecular Weight The predicted molecular weight of Recombinant Mouse IL-28A is Mr 20.5 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 25-30 kDa.

State Of Matter Lyophilized.

Purity >95% by SDS Page and analyzed by silver stain.

Endotoxin <1.0 EU/g as determined by the LAL method.

Storage And Stability This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

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GENE INFORMATION

Gene Name	Il28a interleukin 28A [Mus musculus]
Synonyms	Il28a; interleukin 28A; Ifnl2; EG330496; IFN-lambda2; interferon-lambda2
Gene ID	330496
mRNA Refseq	NM_001024673
Protein Refseq	NP_001019844
UniProt ID	Q4VK74
Chromosome Location	7
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway
Function	cytokine activity

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