

Recombinant Mouse Interleukin 28B

Cat. No. IL28b-212M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Mouse
Source	E.coli
Description	IL-28A, IL-28B, and IL-29, also named interferon- λ 2 (IFN- λ 2), IFN- λ 3, and IFN- λ 1, respectively, are newly identified class II cytokine receptor ligands that are distantly related to members of the IL-10 family (11-13% aa sequence identity) and type I IFN family (15 - 19% aa sequence identity).
Endotoxin	< 1 EU/g.
Reconstitution	It is recommended that sterile PBS containing at least 0.1% human serum albumin or bovine serum albumin be added to the vial to prepare a stock solution of no less than 10 μ g/mL.
Buffer	Phosphate-buffered saline (PBS) containing 50g of BSA per 1g of cytokine.
Purity	$\geq$ 95%.
Purification Method	A combination of ion exchange, hydrophobic interaction and size exclusion chromatography.
Shipping Conditions	Wet ice, Physical State of Product During Shipping is Lyophilized.

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Special Conditions

After receipt, this product should be kept at -70°C or below for retention of full activity. Upon reconstitution, this cytokine can be stored under sterile conditions at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer for three months without detection loss of activity. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	IL28b interleukin 28B [<i>Mus musculus</i>]
Synonyms	IL28b; interleukin 28B; IL28; IFL-1; INF-alpha; INF-lambda; interleukin 28; interferon alpha
Gene ID	338374
mRNA Refseq	NM_177396
Protein Refseq	NP_796370
UniProt ID	Q8CGK6
Chromosome Location	7 A3
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway
Function	cytokine activity; receptor binding

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