

Recombinant Rat Interferon Beta 1, Fibroblast

Cat. No. Ifnb1-56R Lot. No. (See product label)

SPECIFICATION

Species	Rat
Source	CHO
Description	Interferon beta is a protein that in humans is encoded by the IFNB1 gene.
Contents	2 x 10 ⁵ units/vial, lyophilized.
Concentration	1 x 10 ⁶ units/ml after reconstitution with 0.2 ml sterile distilled water.
Buffer	Prior to lyophilization: Citric acid-buffered saline pH 4.5; 125mM trehalose.
Purity	≥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.
Special Conditions	After receipt, this product should be kept at 4°C while lyophilized and then at -70°C after reconstitution in sterile distilled water for retention of full activity. When thawing, the contents of the tube should be apportioned in separate tubes so that freezing and thawing is kept to a minimum. Further dilute only in buffers containing protein such as 0.1% bovine serum albumin (BSA).

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GENE INFORMATION

Gene Name	Ifnb1 interferon beta 1, fibroblast [Rattus norvegicus]
Synonyms	Ifnb1; interferon beta 1, fibroblast; Ifnb; interferon, beta 1
Gene ID	24481
mRNA Refseq	NM_019127
Protein Refseq	NP_062000
UniProt ID	P70499
Chromosome Location	5q31-q33
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway; Natural killer cell mediated cytotoxicity; RIG-I-like receptor signaling pathway; Toll-like receptor signaling pathway
Function	cytokine activity; cytokine receptor binding; transcription corepressor activity

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