

Recombinant Mouse Interferon Beta 1, Fibroblast

Cat. No. Ifnb1-37M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Interferon beta produced in <i>E. Coli</i> is a single, non-glycosylated polypeptide chain containing 162 amino acids and having a molecular mass of 19.8 kDa. Mouse IFN beta is purified by proprietary chromatographic techniques.
Species	Mouse
Source	E.coli
Description	Interferon-beta 1b has antiviral, antibacterial and anticancer activities. Influenza A viruses not only inhibit IFN-beta gene induction but also suppress Type-I IFN signaling via mechanism involving induction of the SOCS-3 protein. Intracellular bacteria and cytosolic poly (dA-dT) trigger IFN-beta responses in different human cells without requiring human ZBP1.
Amino Acid Sequence	MINYKQLQLQERTNIRKCQELLEQLNGKINLTyrADFKIPMEMTEKMQKSYTAFAIQE MLQN VFLVFRNNFSS TGWNETIVVRLLDLHQQTVFLKTVLE EKQEERLT WEMSS TAL HLKSYWVRVQRYLKLMKYNSYAWMVVRAEIFR NFLIIRRLTRNFQN.
Purity	Greater than 90.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Formulation	IFN-b Mouse solution containing 10mM sodium phosphate pH-7.5 and 0.5M ammonium sulfate.
Biological Activity	Determined in a viral cytopathic effect inhibition assay.

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Stability Store the IFN-beta at 4°C for 4 weeks. Do not freeze/thaw.

GENE INFORMATION

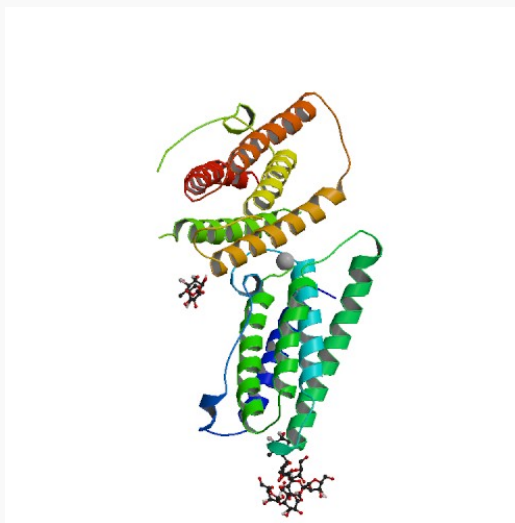
Gene Name	Ifnb1 interferon beta 1 , fibroblast [Mus musculus]
Synonyms	Ifnb1; interferon beta 1, fibroblast; Ifb; IFNB; IFN-beta; OTTMUSP00000008111; IFB; IFF; IFN-beta; MGC96956; OTTHUMP00000021131; Fibroblast interferon; interferon beta
Gene ID	15977
mRNA Refseq	NM_010510
Protein Refseq	NP_034640
UniProt ID	P01575
Chromosome Location	4 42.6 cM
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway; Natural killer cell mediated cytotoxicity; Toll-like receptor signaling pathway
Function	cytokine activity; cytokine receptor binding

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