

Active Recombinant Mouse Ifnb1 Protein (Ile22-Asn182), C-His tagged, Animal-free, Carrier-free

Cat. No. Ifnb1-41M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ifnb1 Protein (Ile22-Asn182) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Ile22-Asn182
Description	Interferon Beta 1a (IFN beta 1a) is a leukocyte interferon, which is a variant of Interferon beta. IFN beta 1a is a 17.87 kDa protein containing 161 amino acid residues. It could bind the interferon receptors that activates the signal transduction of immune responses through the Jak/STAT pathway in leukocytes and lymphoblastoid cells.
Form	Lyophilized
Bio-activity	Measure by its ability to protect HeLa cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is < 5 pg/mL. The specific activity of recombinant mouse IFN beta 1a is > 1 x 10 ⁹ IU/mg.
Molecular Mass	The protein has a calculated MW of 20.68 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	Ifnb1 interferon beta 1, fibroblast [Mus musculus (house mouse)]
Official Symbol	Ifnb1
Synonyms	IFNB1; interferon beta 1, fibroblast; interferon beta; Ifb; IFNB; IFN-beta;
Gene ID	15977
mRNA Refseq	NM_010510
Protein Refseq	NP_034640

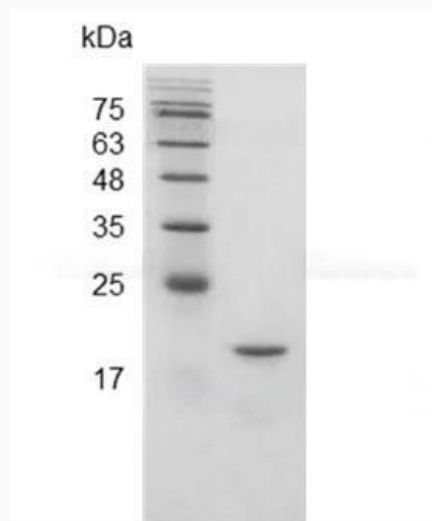
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UniProt ID**P01575**

**SDS-PAGE analysis
of recombinant
mouse IFN Beta 1a.**



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