

Active Recombinant Mouse IFNB1 Protein, Fc-tagged

Cat. No. IFNB1-892M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant extracellular domain of mouse IFNB1 (P01575) (Met 1-Asn 182) was fused with the Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-182 a.a.
Predicted N Terminal	Ile 22
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured in antiviral assays using L929 cells infected with vesicular stomatitisvirus (VSV). The ED50 for this effect is typically 10-50 pg/mL.
Molecular Mass	The secreted recombinant mouse IFNB1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 402 amino acids and has a calculated molecular mass of 46.7 kDa. As a result of glycosylation, the apparent molecular mass of rmIFNB1/Fc monomer is approximately 58 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>92 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	Ifnb1 interferon beta 1, fibroblast [Mus musculus]
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
MIM	
UniProt ID	
Pathway	Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved
Function	cytokine activity; cytokine receptor binding; transcription corepressor activity;

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