

Active Recombinant Human IFNB1 protein, hFc-tagged

Cat. No. IFNB1-14H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IFNB1 protein(NP_002167.1) (Met 1-Asn 187) was expressed in HEK293, fused with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-187 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured in antiviral assays using WISH human amnion cells infected with vesicular stomatitis virus (VSV). The EC50 for this effect is 0.08-0.8 ng/mL.
Molecular Mass	The recombinant human IFN β /Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 404 amino acids and has a predicted molecular mass of 46.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh IFN β /Fc monomer is approximately 52 kDa due to glycosylation.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name IFNB1 interferon, beta 1, fibroblast [Homo sapiens]

Official Symbol IFNB1

Synonyms IFNB1; interferon, beta 1, fibroblast; IFNB; interferon beta; IFB; IFF; IFN-beta; fibroblast interferon; MGC96956;

Gene ID 3456

mRNA Refseq NM_002176

Protein Refseq NP_002167

MIM 147640

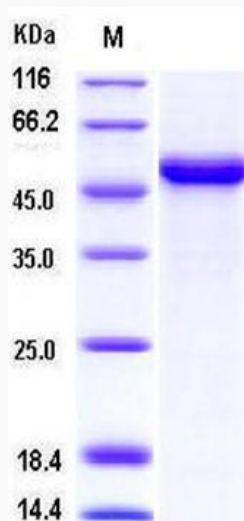
UniProt ID P01574

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SDS-PAGE



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