

Recombinant Human IFNB1 therapeutic protein(Interferon beta-1a)

Cat. No. IFNB1-P018H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human interferon beta (166 residues), glycosylated, MW=22.5kD. It is produced by mammalian cells (Chinese Hamster Ovary cells) into which the human interferon beta gene has been introduced. The amino acid sequence of Avonex is identical to that of natural human interferon beta.
Species	Human
Source	CHO
ProteinLength	166 Aa
Description	It has been suggested that IFNB1 be merged into this article or section. The expression product is the active ingredient of Avonex, Belerofon and Rebif.
Molecular Mass	20.5KDa
AA Sequence	MSYNLLGFLQRSSNFQCQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAA LTIYEMLQNIFAIFR QDSSSTGWNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRG KLMSSLHLKRYYYGRILHYLKAKEYSHCA WTIVRVEILRNIFYFINRLTGYLRN
Endotoxin	< 1.0 EU per µg of the protein
Purity	>95%

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Storage	Can be stored at +4 centigrade short term (1-2weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Alias	IFNB1; IFNB; IFB; IFF; IFN-beta; Interferon beta-1a
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
Chromosome Location	9p22
Pathway	Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction,

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organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytokines and Inflammatory Response, organism-specific biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem;

Function

cytokine activity; interferon-alpha/beta receptor binding; transcription corepressor activity;

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