Recombinant Human IFNA2 therapeutic protein(Interferon alfa-2b)

Cat. No. IFNA2-P008H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombint Human Interferon, Alpha 2 therapeutic protein(human leukocyte clone hif-sn 206 protein moiety reduced). A type I interferon consisting of 165 amino acid residues with arginine in position 23. This protein is produced by recombinant DNA technology and resembles interferon secreted by leukocytes. It is used extensively as an antiviral or antineoplastic agent.
Species	Human
Source	E.coli
ProteinLength	165aa
Description	This gene is a member of the alpha interferon gene cluster on chromosome 9. The encoded protein is a cytokine produced in response to viral infection. Use of the recombinant form of this protein has been shown to be effective in reducing the symptoms and duration of the common cold. The expression product is the active ingredient of PEG-Intron, Unitron PEG, Roferon-A and Intron-A.
Molecular Mass	31 Kda
AA Sequence	CDLPQTHSLGSRRTLMLLAQMRRISLFSCLKDRHDFGFPQEEFGNQFQKAETIPVLH EMIQQIFNLFSTKD SSAAWDETLLDKFYTELYQQLNDLEACVIQGVGVTETPLMNED SILAVRKYFQRITLYLKEKKYSPCAWEV VRAEIMRSFSLSTNLQESLRSKE

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Endotoxin	< 1.0 EU per μg of the protein
Purity	>95%
Storage	Can be stored at +4 centigrade short term (1-2weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoidrepeated freezing and thawing cycles.
Alias	IFNA2; IFN alphaA; IFNA; INFA2; IFNA2B; IFN-alphaA; Interferon alfa-2b; Interferon alfa-2b (recombinant); Interferon alfa-2b, recombinant; Interferon alpha-2B; Interferon α-2b; Intron (Interferon α2b); Intron A; Intron A (Interferon α2b); r-INF-alpha; rIFN-alpha-2b

GENE INFORMATION

Gene Name	IFNA2 interferon, alpha 2 [Homo sapiens]
Official Symbol	IFNA2
Synonyms	IFNA2; interferon, alpha 2; interferon alpha-2; alpha 2a interferon; IFN alphaA; IFNA; interferon alpha 2b; interferon alpha A; leIF A; IFN-alpha-2; alpha-2a interferon; INFA2; IFNA2B; IFN-alphaA; MGC125764; MGC125765;
Gene ID	3440
mRNA Refseq	NM_000605
Protein Refseq	NP_000596
MIM	147562

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UniProt ID	P01563
Chromosome Location	9p22
Pathway	Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem;
Function	cytokine activity; interferon-alpha/beta receptor binding; protein binding;

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