

## Recombinant Human Pegylated Interferon Alpha-2b

**Cat. No.** IFNA2-05H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human Interferon alpha-2b produced in <i>E. coli</i> is a single, non-glycosylated, polypeptide chain containing 165 amino acids and having a molecular mass of 19269 Dalton. Pegylated IFN alpha-2b is manufactured by attaching a 40KD NHS-mPEG to the primary amino acid of IFN alpha-2b.
<b>Species</b>	Human
<b>Source</b>	<i>E. coli</i>
<b>Description</b>	At least 23 different variants of IFN-alpha are known. The individual proteins have molecular masses between 19-26 kDa and consist of proteins with lengths of 156-166 and 172 amino acids. All IFN-alpha subtypes possess a common conserved sequence region between amino acid positions 115-151 while the amino-terminal ends are variable. Many IFN-alpha subtypes differ in their sequences at only one or two positions. Naturally occurring variants also include proteins truncated by 10 amino acids at the carboxy-terminal end.
<b>Form</b>	1.0 mL delivers 8.0 mg sodium chloride, 0.05 mg polysorbate 80, 2.62 mg sodium acetate trihydrate, and 0.05 mg acetic acid. The solution is colorless to light yellow and the pH is 6.0 ± 0.5.
<b>Bio-activity</b>	The specific activity as determined in a viral resistance assay using VSV-WISH cells was found to be 1.43 x 10 <sup>6</sup> IU/mg.
<b>Endotoxin</b>	Less than 0.1

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ng/μg (IEU/μg) of PEG-IFN alpha-2b.

**Purity** >98% as determined by SDS-PAGE, RP-HPLC and FPLC.

**Storage** Stable for 2 years upon stored at 2-8°C.

**Concentration** 0.36mg/ml

## GENE INFORMATION

**Gene Name** IFNA2 interferon alpha 2 [ Homo sapiens (human) ]

**Official Symbol** IFNA2

**Synonyms** IFNA; IFNA2B; IeIF A; IFN-alphaA; IFN-alpha-2

**Gene ID** 3440

**mRNA Refseq** NM\_000605

**Protein Refseq** NP\_000596

**MIM** 147562

**UniProt ID** P01563

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