

Recombinant Human Pegylated Interferon Alpha-2b

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	<i>E. coli</i>
Description	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.
Form	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.
Bio-activity	The specific activity as determined in a viral resistance assay using VSV-WISH cells was found to be 1.43 x 10 ⁶ IU/mg.
Endotoxin	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; leIF 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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