

Active Recombinant Human IFN-alpha 2b Protein

Cat. No. IFNA2-114H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFN-alpha 2b Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Interferon-alpha 2b (IFN-α 2b) is a type I interferon made by leukocytes during viral infection. The JAK-STAT pathway mediates the antiviral and anti-cell proliferation activities of IFN-α 2b. IFN-α proteins are widely used as standard treatments during antiviral and antineoplastic therapies. The IFN-α 2b variant differs from IFN-α 2a by one amino acid.
Bio-activity	Viral CPE assay using EMC virus on A549 cells, ≤NA; ≥2.0 × 10 ⁸ units/mg
Molecular Mass	Monomer, 19.4 kDa (166 aa)
AA Sequence	MCDLPQTHSLGSRRTLMLLAQMRRISLFSCLKDRHDFGFPQEEFGNQFQKAETIPVL HEMIQQIFNLFSTKDSSAAWDETLLDKFYTELYQQNLNLEACVIQGVGVGTETPLMKE DSILAVRKYFQRITLYLKEKKYSPCAWEVVRAEIMRSFSLSTNLQESLRSKE
Endotoxin	≤1 EUs/μg, Kinetic LAL
Purity	≥95%, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied.

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	1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	IFNA2 interferon, alpha 2 [Homo sapiens (human)]
Official Symbol	IFNA2
Synonyms	IFNA2; interferon, alpha 2; interferon alpha-2; alpha 2a interferon; IFN alphaA; IFNA; interferon alpha 2b; interferon alpha A; IeIF A; IFN-alpha-2; alpha-2a interferon; INFA2; IFNA2B; IFN-alphaA; MGC125764; MGC125765;
Gene ID	3440
mRNA Refseq	NM_000605

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Protein Refseq	NP_000596
MIM	147562
UniProt ID	P01563

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