

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 HEMIQQIFNLFSTKDSSAAWDETLDDKFYTELYQQLNLEACVIQGVGVTTETPLMKE 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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