

Human IFN a 2b Recombinant Protein



RPPB0384

Product Information Protein Information

Product SKU:

RPPB0384

Accession:

Q86UP4

Host:

Escherichia Coli.

Protein description:

IFN-a 2b Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 166 amino acids and having a molecular mass of 19400 Dalton. The difference between IFNA2A and IFNA2B is in the amino acid present at position 23. IFN-alpha 2a has a lysine at that position 23 while IFN-alpha 2b has arginine. The IFN-alpha 2b gene was obtained from human leukocytes. The IFN-a 2b is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

IFN alpha 2b, IFNA, INFA2, MGC125764, MGC125765.

Formulation:

Lyophilized from a (1 mg/ml) solution in containing 2.3 mg Sodium phosphate dibasic and 0.55 mg sodium phosphate monobasic buffer.

Purity:

Greater than 98.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized IFN-alpha 2b in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IFN although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFN alpha 2b should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MCDLPQTHSL GSRRTLMLLA QMRRISLFSC LKDRHDFGFP QEEFGNQFQK AETIPVLHEM IQQIFNLFST
KDSSAAWDET LLDKFYTELY QQLNDLEACV IQGVGVTEPT LMKEDSILAV RKYFQRITLY LKEKKYSPCA
WEVVRAEIMR SFSLSTNLQE SLRSKE

Biological Activity:

The specific activity as determined in a viral resistance assay using bovine kidney MDBK cells was found to be 260,000,000 IU/ mg.