

Human IFN α 2b Recombinant Protein



RPPB0385

Product Information Protein Information

Product SKU:

RPPB0385

Accession:

Q86UP4

Host:

Saccharomyces cerevisiae.

Protein description:

Interferon- α 2b Human Recombinant produced in yeast is a single, glycosylated, polypeptide chain containing 165 amino acids and having a molecular mass of approximately 19 kDa. The Interferon- α 2b gene was obtained from human leukocytes. The IFN- α 2b is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Interferon α 2b, IFNA, INFA2, IFN- α 2b, MGC125764, MGC125765.

Formulation:

Lyophilized from a 0.2 μ m filtered concentrated (1mg/ml) solution in PBS, pH-7.4.

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 glycosylated IFN α 2b in sterile 18M Ω -cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized glycosylated IFN- α 2b although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFN- α 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:

The sequence of the first five N-terminal amino acids was determined and was found to be Cys-Asp-Leu-Pro-Gln.

Biological Activity:

The specific activity as determined in a viral resistance assay was found to be no less than 300,000,000IU/mg.