

32-1315: IFN a 2b Yeast Recombinant Protein

Alternative Name : Interferon alpha 2b,IFNA,INFA2,IFN-? 2b,MGC125764,MGC125765.

Description

Source : Saccharomyces cerevisiae. Interferon-alpha 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-alpha 2b gene was obtained from human leukocytes. The IFN-a 2b is purified by proprietary chromatographic techniques. IFN-alpha is produced by macrophages and has antiviral activities. Interferon stimulates the production of two enzymes: protein kinase and an oligoadenylate synthetase.

Product Info

Amount :	50 µg
Purification :	Greater than 98.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Content :	Lyophilized from a 0.2µm filtered concentrated (1mg/ml) solution in PBS, pH-7.4.
Storage condition :	Lyophilized glycosylated IFN-a 2b 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 :	The sequence of the first five N-terminal amino acids was determined and was found to be Cys-Asp-Leu-Pro-Gln.

Application Note

It is recommended to reconstitute the lyophilized glycosylated IFN alpha 2b in sterile 18MΩ·cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. The specific activity as determined in a viral resistance assay was found to be no less than 300,000,000IU/mg.

