

32-1314: IFN a 2b Recombinant Protein

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

Description

Source : Escherichia Coli. Interferon-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 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 :	100 µg
Purification :	Greater than 98.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from a (1 mg/ml) solution in containing 2.3 mg Sodium phosphate dibasic and 0.55 mg sodium phosphate monobasic buffer.
Storage condition :	Lyophilized Interferon 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 :	MCDLPQTHSLGSRRTLMLLAQMRRISLFSCLKDRHDFGFPQEEFGNQFQKAETIPVLHEMIQQIFNLF STMDSSAAWDETLDDKFKYTELYQQLNDLEACVIQGVGTETPLMKEDSILAVRKYFQRITLYLKEKKYSP CAWEVVRAEIMRSFSLSTNLQESLRSKE.

Application Note

It is recommended to reconstitute the lyophilized Interferon-alpha 2b in sterile 18M²-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 using bovine kidney MDBK cells was found to be 260,000,000 IU/ mg.