

32-1314: IFN α 2b Recombinant Protein

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

Description

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

Product Info

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| Amount : | 100 μ g |
| 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 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 : | MCDLPQTHSLGSRRTLMLLAQMRRLSFSLKDRHDFGFPQEEFGNQFQKAETIPVLHEMIQQIFNLF STMDSSAAWDETLLDKFYTELYQQLNDLEACVIQGVGTETPLMKEDSILAVRKYFQRITLYLKEKKYSP CAWEVVRAEIMRSFSLSTNLQESLRSKE. |

Application Note

It is recommended to reconstitute the lyophilized Interferon- α 2b in sterile $18\text{M}\Omega\cdot\text{cm}$ H_2O not less than $100\text{ }\mu\text{g/ml}$, 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.

