

## 32-1314: IFN $\alpha$ 2b Recombinant Protein

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

### Description

Source : Escherichia Coli. Interferon- $\alpha$  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- $\alpha$  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

<b>Amount :</b>	100 $\mu$ g
<b>Purification :</b>	Greater than 98.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Content :</b>	Lyophilized from a (1 mg/ml) solution in containing 2.3 mg Sodium phosphate dibasic and 0.55 mg sodium phosphate monobasic buffer.
<b>Storage condition :</b>	Lyophilized Interferon although stable at room temperature for 3 weeks, should be stored desiccated below $-18^{\circ}\text{C}$ . Upon reconstitution IFN $\alpha$ 2b should be stored at $4^{\circ}\text{C}$ between 2-7 days and for future use below $-18^{\circ}\text{C}$ .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	MCDLPQTHSLGSRRTLMLLAQMRRISLFSCCLKDRHDFGFPQEEFGNQFQKAETIPVLHEMIQQIFN LF STMDSSAAWDETLDDKFYTELYQQQLNDLEACVIQGVGVTEPLMKEDSILAVRKYFQRITLYLKEKK YSP CAWEVVRAEIMRSFSLSTNLQESLRSKE.

### Application Note

It is recommended to reconstitute the lyophilized Interferon- $\alpha$  2b in sterile  $18\text{M}\Omega\text{-cm}$  H<sub>2</sub>O 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.

