

## 32-1315: IFN $\alpha$ 2b Yeast Recombinant Protein

**Alternative Name :** Interferon  $\alpha$  2b, IFN $\alpha$ , INFA2, IFN- $\gamma$  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- $\alpha$  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>	50 $\mu$ 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 0.2 $\mu$ m filtered concentrated (1mg/ml) solution in PBS, pH-7.4.
<b>Storage condition :</b>	Lyophilized glycosylated IFN- $\alpha$ 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.
<b>Amino Acid :</b>	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 18M $\Omega$ -cm H<sub>2</sub>O not less than 100  $\mu$ g/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 300,000,000 IU/mg.

