



## Interferon-Alpha 2b Human Recombinant, Yeast

<b>Item Number</b>	rAP-0465
<b>Synonyms</b>	Interferon alpha 2b, IFNA, INFA2, IFN- $\alpha$ 2b, MGC125764, MGC125765.
<b>Description</b>	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 tech-
<b>Uniprot Accession Number</b>	Q86UP4
<b>Amino Acid Sequence</b>	The sequence of the first five N-terminal amino acids was determined and was found to be Cys-Asp-Leu-Pro-Gln.
<b>Source</b>	Saccharomyces cerevisiae.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized glycosylated IFN- $\alpha$ 2b 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>Formulation and Purity</b>	Lyophilized from a $0.2\mu\text{m}$ filtered concentrated (1mg/ml) solution in PBS, pH-7.4. Greater than 98.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized glycosylated IFN alpha 2b in sterile $18\text{M}\Omega\text{-cm}$ H <sub>2</sub> O not less than $100\mu\text{g/ml}$ , which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The specific activity as determined in a viral resistance assay was found to be no less than 300,000,000IU/mg.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**