

Human IFN-alpha 2b (Yeast)

Human Interferon- α 2b, Yeast, recombinant

Synonyms: Interferon alpha 2b, IFNA, INFA2, IFN-? 2b, MGC125764, MGC125765.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
10 μ g	1473.953.010		
50 μ g	1473.953.050		
1 mg	1473.953.199		

Please enquire for bulk quantities and other vial sizes

Description

Recombinant Human Interferon-alpha 2b produced in yeast is a 19 kDa single, glycosylated, polypeptide chain containing 165 amino acids. The gene was obtained from human leukocytes. IFN-alpha is produced by macrophages and has antiviral activities. Interferon stimulates the production of two enzymes: protein kinase and an oligoadenylate synthetase.

- **Biological activity** $\geq 3.0 \times 10^8$ units/mg
- **Source** Yeast (*Saccharomyces cerevisiae*)
- **Purity** $\geq 98\%$ (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1 ng/ μ g (≤ 1 EU/ μ g)
- **Stabilizer** None
- **Buffer** 1 x PBS (pH 7.4)*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The specific activity as determined in a viral resistance assay was found to be $\geq 3.0 \times 10^8$ units/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water of at least 100 μ g/ml. This solution can then be further diluted to other aqueous solutions.

Stability

Lyophilized glycosylated IFN-a 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, order number: [2835.955.xyz](#) or [2835.958.xyz](#), or BSA, order number: [2835.919.xyz](#)). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

The sequence of the first five N-terminal amino acids was determined and was found to be Cys-Asp-Leu-Pro-Gln.

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.