

IFN a 2b Human, Yeast

Description: 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-a 2b is purified by proprietary chromatographic techniques.

Catalog #: CYP5-467

For research use only.

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

Source: *Saccharomyces cerevisiae*.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

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.

Purity: Greater than 98.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Formulation:

Lyophilized from a 0.2m filtered concentrated (1mg/ml) solution in PBS, pH-7.4.

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 or BSA). Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the lyophilized glycosylated IFN alpha 2b in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Introduction:

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:

The specific activity as determined in a viral resistance assay was found to be no less than 300,000,000IU/mg.

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