



## Interferon-alpha 2b, HEK, human recombinant (rHuIFN-alpha2b-HEK)

**Catalog No:** 97482  
**Lot No:** XXXXX  
**Source:** HEK293  
**Synonyms:** Interferon alpha 2b, IFNA, INFA2, MGC125764, MGC125765

### Background

IFN-alpha is produced by macrophages and has antiviral activities. Interferon stimulates the production of two enzymes: protein kinase and an oligoadenylate synthetase.

### Description

Interferon alpha 2b human recombinant produced in HEK cells is a glycosylated monomer, having a total molecular weight of 16 kDa. IFN-a 2b is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

### Formulation

The IFN-a 2b was lyophilized from 1 mg/ml in 1xPBS.

### Solubility

It is recommended to reconstitute the lyophilized IFN-a 2b in sterile water not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

### Stability

Lyophilized IFN-a 2b, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFN-a 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.

### Purity

Greater than 95% as observed by SDS-PAGE.

### Activity

The specific activity was determined by the dose-dependent cytotoxicity of the human TF-1 cell line (human erythroleukemic indicator cell line) and is typically 0.02 - 0.08 ng/ml.

### Usage

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