

## Human IFN-alpha 1b

Synonyms:

**PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING**

Size	Order #	Lot #	Expiry Date
20 µg	1470.950.020		
100 µg	1470.950.100		
1 mg	1470.950.199		

Please enquire for bulk quantities and other vial sizes

### Description

Interferon-alpha 1b Human Recombinant produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 166 amino acids and having a molecular mass of 19392 Dalton. The Interferon-alpha 1b gene was obtained from human leukocytes.

- **Source** *E. Coli*
- **Purity** ≥ 96 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Lyophilized from a 0.2µm filtered solution (50ug/ml) in PBS, pH 7.4, containing 4% mannitol and 1% HSA\*
- **Physical state** Sterile filtered, lyophilized

### Biological Activity

The specific activity as determined in a viral resistance assay using bovine kidney MDBK cells was found to be 1 x 108 IU/ mg.

### Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

### Stability

Lyophilized Interferon alpha 1b although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFN-alpha 1b 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 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-Glu.

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

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