

# Human IFN b 1b Recombinant Protein



RPPB0394

---

## Product Information    Protein Information

**Product SKU:**

RPPB0394

**Accession:**

P01574

**Host:**

Escherichia Coli.

**Protein description:**

IFN beta 1b Human Recombinant produced in E.Coli is a single, non-glycosylated mutein (variant form) of human IFN beta-1b polypeptide chain containing 165 amino acids and having a molecular mass of 18510.86 Dalton. The IFN-beta gene was cloned from human fibroblasts and altered to substitute Serine for the Cysteine residue found at position 17. IFN beta-1b is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Leukocyte IFN, B cell IFN, Type I IFN, IFNB1, IFB, IFF, IFNB, IFN-b 1b, MGC96956.

**Formulation:**

Lyophilized from 1mg/ml solution containing 50mg Human Albumin & 50mg dextrose.

**Purity:**

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

**Solubility:**

It is recommended to reconstitute the lyophilized IFN beta-1b in sterile 18M-cm H<sub>2</sub>O at a concentration of 0.25mg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized IFN-beta 1b although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFNB 1b should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Tyr-Asn-Leu-Leu.

**Biological Activity:**

The specific activity as determined in a viral resistance assay (human "Wish" cell line and VSV virus or the monkey VERO cell line with EMCV virus) was found to be 32 x 10<sup>6</sup> IU/mg.