
Product Data Sheet

Product Name: IFN b 1b Human

Cat. No.: GP20393

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Leukocyte IFN; B cell IFN; Type I IFN; IFNB1; IFB; IFF; IFNB; IFN-b 1b; MGC96956.		
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.		
Solubility	It is recommended to reconstitute the lyophilized IFN beta-1b in sterile 18M-cm H2O at a concentration of 0.25mg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from 1mg/ml solution containing 50mg Human Albumin & 50mg dextrose.		

Introduction

IFN-beta 1b has antiviral, antibacterial and anticancer activities.

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 10⁶ IU/mg.

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.

Background

IFN beta 1b Human Recombinant produced in E.Coli is a single, non-glycosylated mutein

Caution: Product has not been fully validated for medical applications. For research use only.

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(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.

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