
Product Data Sheet

Product Name: IFN b Mouse, His
 Cat. No.: GP20394
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Leukocyte IFN; B cell IFN; Type I IFN; IFNB1; IFB; IFF; IFNB; IFN-b 1b; MGC96956.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MINYKQLQLQ ERTNIRKCQE LLEQLNGKIN LTYRADFKIP MEMTEKMQKS YTAFAIQEML QNVFLVFRNN FSSTGWNETI VVRLLELHQ QTVFLKTVLE EKQEERLTWE MSSTALHLKS YYWRVQRYLK LMKYNSYAWM VVRAEIFRNF LIIRRLTRNF QN.		
Formulation	The IFN-Beta (0.25mg/ml) contains 20mM HEPES (pH6.0), 0.5M NaCl, 10% glycerol.		

Introduction

IFN-beta 1b has antiviral, antibacterial and anticancer activities. Influenza A viruses not only inhibit IFN-beta gene induction but also suppress Type-I IFN signaling via mechanism involving induction of the SOCS-3 protein. Intracellular bacteria and cytosolic poly (dA-dT) trigger IFN-beta responses in different human cells without requiring human ZBP1.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

IFN beta Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 182 amino acids (22-182 a.a.) and having a molecular mass of 22 kDa. Mouse IFN beta is fused to 21 amino acid at N-terminus and purified by proprietary chromatographic techniques.

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

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