

## IFN b Mouse, His

**Description:** Interferon 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 20 amino acid at N-terminus and purified by proprietary chromatographic techniques.

**Catalog #:** CYP5-658

For research use only.

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

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MINYKQLQLQ ERTNIRKCQE  
LLEQLNGKIN LTYRADFKIP MEMTEKMQKS YTAFAIQEML QNVFLVFRNN FSSTGWNETI  
VVRLLDELHQ QTVFLKTVLE EKQEERLTWE MSSTALHLKS YYWRVQRYLK LMKYNSYAWM  
VVRAEIFRNF LIIRRLTRNF QN.

**Purity:** Greater than 95% as determined by Analysis by SDS-PAGE.

**Formulation:**

The IFN-Beta contains 20mM Tris-HCl buffer pH-8, 0.1M NaCl and 30% glycerol.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Interferon-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.

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