



Interferon Beta (IFN- β), mouse recombinant, His Tag (rmIFN- β)

Catalog No: 97265
Lot No: XXXXX
Source: *E. coli*
Synonyms: Leukocyte interferon, B cell interferon, Type I interferon, IFNB1, IFB, IFF, IFNB, IFN- β 1b, MGC96956

Background

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.

Description

Interferon beta mouse recombinant produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 182 amino acids (22-182) and having a molecular mass of 22 kDa. mouse IFN beta is fused to 22 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered clear solution.

Formulation

The IFN-Beta (0.25 mg/ml) contains 20 mM Hepes pH 6.0, 0.5 M NaCl and 10% 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.

Purity

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

Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MINYKQLQLQ ERTNIRKCQE LLEQLNGKIN LTYRADFKIP MEMTEKMQKS YTAFAIQEML
QNVFLVFRNN FSSTGWNETI VVRLLDDELHQ QTVFLKTVLE EKQEERLTWE MSSTALHLKS YYWRVQRYLK LMKYNSYAWM
VVRAEIFRNF LIIRRLTRNF QN

Usage

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