



Product Datasheet

Product Name	Recombinant Mouse Interferon Beta
Cata No	CB501284
Source	<i>Escherichia Coli.</i>
Synonyms	Leukocyte interferon, B cell interferon, Type I interferon, IFNB1, IFB, IFF, IFNB, IFN-b 1b, MGC96956.

Description

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.

Interferon beta Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 162 amino acids and having a molecular mass of 19.8 kDa.

Mouse IFN beta is purified by proprietary chromatographic techniques.

Biological Activity

Determined in a viral cytopathic effect inhibition assay.

Purity

Greater than 90.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

IFN-b Mouse solution containing 10mM sodium phosphate pH-7.5 and 0.5M ammonium sulfate. **Do not freeze/thaw.**

Stability

Store the IFN-beta at 4°C for 4 weeks.

Sequence

MINYKQLQLQERTNIRKQCQELLEQLNGKINLTYRA
DFKIPMEMTEKMQKS
YTAFAIQEMLQNVFLVFRNFSSTGWNIVVRL
DELHQQTVFLKTVLE
EKQEERLTWEMSSTALHLKSYWVRVQRYLKLKMK
YNSYAWMVVRAEIFR
NFLIIRRLTRNFQN.