

Recombinant Human Interferon- β 1b (IFN- β 1b)

CATALOG #: 4860-10 10 μ g
4860-50 50 μ g
4860-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analysis
Endotoxin level is <0.1 ng per μ g of IFN- β 1b.

MOL. WEIGHT: 18.5 kDa

FORMULATION: Lyophilized from 1 mg/ml solution containing 50 mg human albumin and 50 mg dextrose.

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or – 20°C for future use.

STORAGE CONDITIONS:

The lyophilized IFN- β 1b is best-stored desiccated below 0°C. Reconstituted IFN- β should be stored at working aliquots at -20°C.

DESCRIPTION:

Recombinant Human IFN-beta produced from *E.Coli* is a single, non-glycosylated human Interferon beta-1b polypeptide chain containing 165 amino acids and having a molecular mass of 18.51 kDa. The Interferon beta gene was cloned from human fibroblasts. IFN-beta 1b is purified by proprietary chromatographic techniques.

BIOLOGICAL ACTIVITY:

BioVision's Interferon beta-1b is fully biologically active when compared to standard. 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.

FOR RESEARCH USE ONLY! Not to be used on humans.

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