

Interferon- β 1, 22- 182 aa, Mouse, His-tagged, Recombinant, E.coli

Cat.NO.: TP02673

3th Edition

Synonyms: lfb, IFN-beta, IFNB

Description: Interferon beta 1, also known as IFN-beta, is produced mainly by fibroblasts and some epithelial cell types. IFN-beta is involved in the regulation of unspecific humoral immune responses and immune responses against viral infections. It also increases the expression of HLA class I antigens and blocks the expression of HLA class II antigens stimulated by IFN-gamma. Interferon beta 1 can be used for topic treatment of condylomata acuminata.

Form: Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 0.1 M NaCl, 30% glycerol

Molecular Weight: 22.0 kDa (182 aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMINYKQLQLQERTNIRKQCELLEQLNGKINLTYRADFKIPMEMTEKMQKSYTAFAI
QEMLQNVFLVFRNNFSSTGWNETIVVRLLELHQQTVFLKTVLEEKQEERLTWEMSSTALHLKSYWVRVQRYLKL
MKYNSYAWMVVRAEIFRNFLIIRLRLTRNFQN

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 μ g of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.