

Product information



Interferon beta 1, 22- 182 aa

Mouse, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0317

Synonyms: Ifb, IFN-beta, IFNB

NCBI Accession No.: NP_034640

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. Some studies suggest that Interferon beta 1 tends to prevent disease activity in patients with multiple sclerosis. Recombinant Interferon beta 1 protein was expressed in *E.coli* and purified by using conventional chromatography techniques.

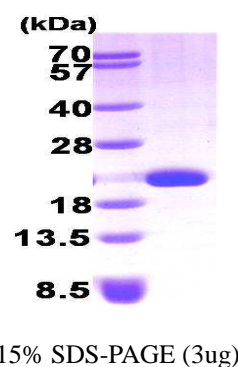
Form: Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 0.1 M NaCl,
30% glycerol

Molecular Weight: 22.0 kDa (182 aa)

Purity: > 95% by SDS - PAGE

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

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



Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MIN^YKQLQLQ ERTNIRKQCE LLEQLNGKIN LTYRADFKIP MEMTEKMQKS YTAFAIQEML QNVFLVFRNN FSSTGWN^ETI
VRRLLDELHQ QTVFLKTVLE EKQEERLTWE MSSTALHLKS YYWRVQRYLK LMKYNSYAWM VVRAEIFRNF LIIRRLTRNF QN

General references:

Fierbeck G, *et al.* (1992) *Hautarzt.* 43(1):16-21.

Panitch HS. (1992) *Drugs.* 44(6):946-62.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



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.

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