

AR09198PU-N

Recombinant Mouse Interferon-beta (IFN-beta) (aa 22-182), His-tagged

Alternate names:	Fibroblast interferon, IFB, IFN-beta, IFNB1
Quantity:	0.1 mg
Concentration:	0.25 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	P01575
NCBI:	NP_034640
GeneID:	15977
Species:	Mouse
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20mM HEPES (pH 6.0), 0.5M NaCl, 10% glycerol Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)
Description:	Recombinant Mouse Interferon beta 1 protein, fused to <i>His-tag</i>, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHHH SSGLVPRGSH MINYKQLQLQ ERTNIRKCQE LLEQLNGKIN LTYRADFKIP MEMTEKMQKS YTAFAIQEML QNVFLVFRNN FSSTGWNETH VVRLDELHQ QTVFLKTVLE EKQEERLTWE MSSTALHLKS YYWRVQRYLK LMKYNSYAWM VVRAEIFRNF LIIRRLTRNF QN Molecular weight: 22.0 kDa (182 aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	- Fierlbeck G, d'Hoedt B, Stroebel W, Stutte H, Bogenschütz O, Rassner G. [Intralesional therapy of melanoma metastases with recombinant interferon-beta]. Hautarzt. 1992 Jan;43(1):16-21. PubMed PMID: 1612904. - Panitch HS. Interferons in multiple sclerosis. A review of the evidence. Drugs. 1992 Dec;44(6):946-62. PubMed PMID: 1282865.

Pictures:

Interferon beta 1, 22-182 aa mouse, His-tagged, recombinant: 15% SDS-PAGE (3 μ g)

