

Interferon-beta 1b Active Protein | IFNB 1b active protein

Recombinant Human Interferon-beta 1b

CATALOG #
AAA38124

HOST
E Coli

PRODUCT SYNONYMS

Interferon-beta 1b; Recombinant Human Interferon-beta 1b; IFN b 1b Human; Interferon-Beta 1b Human Recombinant; Leukocyte interferon; B cell interferon; Type I interferon; IFNB1; IFB; IFF; IFNB; IFN-b 1b; MGC96956; IFNB 1b active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from 1mg/ml solution containing 50mg Human Albumin & 50mg dextrose. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	Thesequenc eofthefirs tfiveN-ter minalamino acidswasde terminedan dwasfoundt obeSer-Tyr -Asn-Leu-L eu
Sequence Length	187
Solubility	It is recommended to reconstitute the lyophilized Interferon beta-1b in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Protein Content	Protein quantitation was carried out by two independent methods:1. UV spectroscopy at 280 nm using the absorbency value of 1.493 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics).2. Analysis by RP-HPLC, using a calibrated solution of IFN-beta as a Reference Standard.
Biological Activity	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.
Preparation and Storage	Lyophilized Interferon-beta 1b although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution IFNB 1b should be stored at 4 degree C between 2-7 days and for future use below -18 degree C.Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for IFNB 1b active protein	Description: Interferon beta 1b Human Recombinant produced in E Coli is a single, non-glycosylated mutein (variant form) of human Interferon beta-1b polypeptide chain containing 165 amino acids and having a molecular mass of 18510.86 Dalton.The IFN-beta gene was cloned from human fibroblasts and altered to substitute Serine for the Cysteine residue found at position 17. IFN beta-1b is purified by proprietary chromatographic techniques. Introduction: Interferon-beta 1b has antiviral, antibacterial and anticancer activities.
Product Categories/Family for IFNB 1b active protein	Cytokines and Growth Factors; Cytokines; Interferon

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504603
NCBI GeneID	3456
NCBI Accession #	NP_002167.1

NCBI GenBank Nucleotide #	NM_002176.2
UniProt Accession #	P01574 ; Q5VWC9
Molecular Weight	22,294 Da
NCBI Official Full Name	interferon beta
NCBI Official Synonym Full Names	interferon, beta 1, fibroblast
NCBI Official Symbol	IFNB1
NCBI Official Synonym Symbols	IFB; IFF; IFNB
NCBI Protein Information	interferon beta; IFN-beta; fibroblast interferon
UniProt Protein Name	Interferon beta
UniProt Gene Name	IFNB1
UniProt Synonym Gene Names	IFB; IFNB; IFN-beta
UniProt Entry Name	IFNB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-ifnb-1b-active-protein/interferon-beta-1b/38124>