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32-1322: IFNB 1b Recombinant Protein

Alternative Name : Leukocyte interferon,B cell interferon,Type I interferon,IFNB1,IFB,IFF,IFNB,IFN-b 1b,MGC96956.

Description

Source : Escherichia Coli. 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. Interferon-beta 1b has antiviral, antibacterial and anticancer activities.

Product Info

Amount :	10 µg
Purification :	Greater than 98.0% as determined by:(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Content :	Lyophilized from 1mg/ml solution containing 50mg Human Albumin & 50mg dextrose.
Storage condition :	Lyophilized Interferon-beta 1b although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFNB 1b should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.
Amino Acid :	The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Tyr-Asn-Leu-Leu.

Application Note

It is recommended to reconstitute the lyophilized Interferon beta-1b in sterile 18M?-cm H2O at a concentration of 0.25mg/ml, which can then be further diluted to other aqueous solutions. 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 for use in diagnostic/therapeutics procedures.