

32-1324: IFNG Recombinant Protein

Alternative Name : Immune Interferon,type II interferon,T cell interferon,MAF,IFNG,IFG,IFI,IFN-gamma.

Description

Source : Escherichia Coli. Interferon-gamma Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 144 amino acids and having a molecular mass of 17kDa.The IFN-gamma is purified by proprietary chromatographic techniques. IFN-gamma produced by lymphocytes activated by specific antigens or mitogens.IFN-gamma, in addition to having antiviral activity, has important immunoregulatory functions, it is a potent activator of macrophages, and has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons.

Product Info

Amount :	100 µg
Purification :	Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The protein was lyophilized from a 0.2µm filtered concentrated solution in PBS pH 4.5.
Storage condition :	Lyophilized Interferon gamma although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFN-gamma should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid :	MQDPYVKEAE NLKKYFNAGH SDVADNGTLF LGILKNWKEE SDRKIMQSQIVSFYFKLFKN FKDDQSIQKS VETIKEDMNV KFFNSNKKKR DDFEKLTNYSVTDLNVQRKA IHELIQVMAE LSPAAGTKGR KRSQMLFQGR RASQ.

Application Note

It is recommended to reconstitute the lyophilized Interferon-gamma in sterile distilled water or 20mM AcOH not less than 100µg/ml, which can then be further diluted to other aqueous solutions. The specific activity as determined in a viral resistance assay is < 0.05 ng/ml, corresponding to a specific activity of 2.0 x 10,000,000 IU/mg.