

32-1329: qIFNG Recombinant Protein

Alternative Name : Interferon gamma,IFN-gamma,IFNG.

Description

Source : Escherichia Coli. Recombinant Equine Interferon-gamma produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 143 amino acids and having a molecular mass of 16.7kDa. The IFN-gamma Equine 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 :	20 µg
Purification :	Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4 and 5% trehalose.
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 :	QA AFFKEIEN LKEYFNASNP DVGDGGPLFL DILKNWKEDS DKKIIQSQIV SFYFKLFENL KDNQVIQKSM DTIKEDLFVK FFNSSTSKLE DFQKLIQIPV NDLKVQRKAI SELIKVMNDL SPKANLRKRK RSQNPFRGRR ALQ.

Application Note

It is recommended to reconstitute the lyophilized Interferon-gamma in sterile 18M-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. The ED₅₀ as determined by an anti-viral assay using human HeLa cells infected with encephalomyocarditis (EMC) virus is less than 10.0 ng/ml, corresponding to a specific activity of > 1.0 × 10⁵ IU/mg.

