

32-1330: k9IFNG Recombinant Protein

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

Description

Source : Escherichia Coli. Recombinant IFNG Dog produced in E.coli cells is a non-glycosylated, homodimeric protein containing 143 amino acid chain and having a molecular mass of 16.9kDa. IFNG 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

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| Amount : | 20 µg |
| Purification : | Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE. |
| Content : | The IFNG was lyophilized from a 0.2µm filtered concentrated solution in 25mM Sodium Succinate, pH 5.0, 60mM NaCl, with 0.1% Tween-80. |
| Storage condition : | Lyophilized IFNG although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFNG 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 : | QAMFFKEIEN LKEYFNASNP DVSDGGSLFV DILKKWREES DKTIIQSQIV SFYLKLFDNF KDNQIIQRSM DTIKEDMLGK FLNSSTSKRE DFLKLIQIPV NDLQVQRKAI NELIKVMNDL SPRSNLRKRK RSQNLFRGRR ASK |

Application Note

It is recommended to reconstitute the lyophilized IFNG in sterile distilled H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. The ED₅₀ as determined by an anti-viral assay using A-72 canine fibroma cells infected with vesicular stomatitis virus (VSV) is less than 2.0 ng/ml, corresponding to a specific activity of > 5.0 x 10⁵ IU/mg.

