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# 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

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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 :** | 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 :** | QAAFFKEIEN 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 100Ã□Âµg/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 Ã□â□□ 105 IU/mg.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***