

Monkey IFNG Recombinant Protein



RPPB0407

Product Information Protein Information

Product SKU:

RPPB0407

Accession:

P01579

Host:

Escherichia Coli.

Protein description:

Interferon-gamma Rhesus Macaque Recombinant produced in E.Coli is a non-glycosylated polypeptide chain containing 142 amino acid and having a molecular mass of approximately 16.8kDa. IFNG is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Immune IFN, type II IFN, T cell IFN, MAF, IFNG, IFG, IFI, IFN-gamma.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4.

Purity:

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Interferon-gamma Rhesus Macaque in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IFNG although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Interferon-gamma Rhesus Macaque should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

QDPYVKEAEN LKKYFNAGDP DVADNGTLFL DILRNWKEES DRKIMQSQIV SFYFKLFKNF KDDQRIQKSV
ETIKEDINVK FFNSNKKKRD DFEKLTNYSV TDSNVQRKAV HELIQVMAEL SPAAKIGKRK RSQMFRGRRA SQ.

Biological Activity:

The ED₅₀ as determined by an anti-viral assay using human HeLa cells infected with encephalomyocarditis (EMC) virus is < 20.0 ng/ml, corresponding to a specific activity of > 5.0 × 10⁴ IU/mg.