

Equine IFN γ Recombinant Protein



RPPB0403

Product Information Protein Information

Product SKU:

RPPB0403

Accession:

P42160

Host:

Escherichia Coli.

Protein description:

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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Interferon gamma, IFN-gamma, IFNG.

Formulation:

Lyophilized from a 0.2 μ m filtered concentrated solution in PBS, pH 7.4 and 5% trehalose.

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 in sterile 18M-cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

Stability:

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 Sequence:

QAAFFKEIEN LKEYFNASNP DVGDDGGPLFL DILKNWKEDS DKKIIQSQIV SFYFKLFENL KDNQVIQKSM DTIKEDLFVK FFNSSTSKLE DFQKLIQIPV NDLKVQRKAI SELIKVMNDL SPKANLRKRK RSQNPFRGRR ALQ.

Biological Activity:

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 \times 10⁵ IU/mg.