

Canine IFNG Recombinant Protein



RPPB0404

Product Information Protein Information

Product SKU:

RPPB0404

Accession:

P42161

Host:

Escherichia Coli.

Protein description:

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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

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.

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 IFNG in sterile distilled 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 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 Sequence:

QAMFFKEIEN LKEYFNASNP DVSDGGSLFV DILKKWREES DKTIIQSQIV SFYLKLFDFNF KDNQIIQRSM DTIKEDMLGK FLNSSTSKRE DFLKLIQIPV NDLQVQRKAI NELIKVMNDL SPRSNLRKRK RSQNLFRGRR ASK

Biological Activity:

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 × 10⁵ IU/mg.