

Mouse IFN γ Recombinant Protein



RPPB0400

Product Information Protein Information

Product SKU:

RPPB0400

Accession:

P01580

Host:

Escherichia Coli.

Protein description:

IFN-gamma Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 134 amino acids and having a molecular mass of 15.6kDa. The IFN-gamma 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 0.2 μ m filtered concentrated (1mg/ml) solution in PBS, pH 7.4 and 5% trehalose.

Purity:

Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized IFN-gamma in sterile distilled water or 20mM AcOH at concentrations ranging between 0.1mg-0.5mg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IFN-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:

MHGTVIESLE SLNNYFNSSG IDVEEKSFLF DIWRNWQKDG DMKILQSQII SFYLRLEVL KDNQAISNNI
SVIESHLITT FFSNSKAKKD AFMSIAKFEV NNPQVQRQAF NELIRVHQL LPESSLRKRK RSRC.

Biological Activity:

The specific activity as determined in a viral resistance assay is < 0.1 ng/ml, corresponding to a specific activity of 1 x 10⁷ Units/mg.