

## 32-1327: mIFNG Recombinant Protein

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

### Description

Source : Escherichia Coli. Interferon-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. 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

<b>Amount :</b>	100 µg
<b>Purification :</b>	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Content :</b>	Lyophilized from a 0.2µm filtered concentrated (1mg/ml) solution in PBS, pH 7.4 and 5% trehalose.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MHGTVIESLE SLNNYFNSSG IDVEEKSFL DIWRNWQKDG DMKILQSQII SFYLRLFVFL KDNQAISNNI SVIESHLITT FFSNSKAKKD AFMSIAKFEV NNPQVQRQAF NELIRVVHQL LPESSLRKRK RSRC.

### Application Note

It is recommended to reconstitute the lyophilized Interferon-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. The specific activity as determined in a viral resistance assay is < 0.1 ng/ml, corresponding to a specific activity of 1 x 10<sup>7</sup> Units/mg.

