

<b>GRF-15448</b>	<b>Mouse Recombinant Interferon-Gamma</b>
<b>Size:</b>	100 µg
<b>Synonyms:</b>	Immune Interferon, type II interferon, T cell interferon, MAF, IFNG, IFG, IFI, IFN-gamma.
<b>Introduction:</b>	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.
<b>Description:</b>	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 15.6 kDa. The IFN-gamma is purified by proprietary chromatographic techniques.
<b>Source:</b>	<i>Escherichia Coli.</i>
<b>Physical Appearance:</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Formulation:</b>	Lyophilized from a 0.2µm filtered concentrated (1mg/ml) solution in PBS, pH 7.4 and 5%trehalose
<b>Solubility:</b>	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.
<b>Stability:</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). <b>Please prevent freeze-thaw cycles.</b>
<b>Purity:</b>	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Amino acid sequence:</b>	MHGTVIESLE SLNNYFNSSG IDVEEKSLFL DIWRNWQKDG DMKILQSQII SFYLRRLFVFL KDNQAISNNI SVIESHLITT FFSNSKAKKD AFMSIAKFEV NNPQVQRQAF NELIRVVHQL LPESSLRKRK RSRC
<b>Biological Activity:</b>	The specific activity as determined by the cytopathic affect inhibition assay with murine NIH 3T3 cells challenged with EMC virus was < 0.1 ng/ml, corresponding to a specific activity of 1 x 10 <sup>7</sup> Units/mg.

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