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## Product Data Sheet

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Product Name: IFN g Mouse  
 Cat. No.: GP20399  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Immune IFN; type II IFN; T cell IFN; MAF; IFNG; IFG; IFI; IFN-gamma.		
Amino Acid Sequence	MHGTVIESLE SLNNYFNSSG IDVEEKSLFL DIWRNWQKDG DMKILQSQII SFYLRLEFEVL KDNQAISNNI SVIESHLITT FFSNSKAKKD AFMSIAKFEV NNPQVQRQAF NELIRVVHQL LPESSLRKRK RSRC.		
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.		
Formulation	Lyophilized from a 0.2µm filtered concentrated (1mg/ml) solution in PBS, pH 7.4 and 5% trehalose.		

### Introduction

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 IFNs.

### 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 10<sup>7</sup> Units/mg.

### 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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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between 2-7 days and for future use below  $-18^{\circ}\text{C}$ . For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Background

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.

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