
Product Data Sheet

Product Name: IFN g Rat
 Cat. No.: GP20401
 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	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Gln-Gly-Tyr-Leu.		
Solubility	It is recommended to reconstitute the lyophilized IFN-gamma in sterile 18MΩ-cm H ₂ O not less than 100μg/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.		

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 by the cytopathic affect inhibition assay with murine L929 cells challenged with EMC virus was < 0.1 ng/ml, corresponding to a specific activity of 10,000,000units/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 between 2-7 days and for future use below -18°C .For long term storage it is

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recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Background

IFN-gamma Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 135 amino acids and having a molecular mass of 15609 Dalton. The IFN-gamma is purified by proprietary chromatographic techniques.

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