
Product Data Sheet

Product Name: IFNG Canine, His
 Cat. No.: GP20404
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Immune Interferon; type II interferon; T cell interferon; MAF; IFNG; IFG; IFI; IFN-gamma.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSQAMFFKE IENLKEYFNA SNPDVSDGGS LFVDILKKWR EESDKTIIQS QIVSFYKLF DNFKDNQIIQ RSMDTIKEDM LGKFLNSSTS KREDFLKLIIQ IPVNDLQVQR KAINELIKVM NDLSPRSNLR KRKRSQNLFR GRRASK.		
Formulation	IFNG protein solution (0.5mg/ml) contains 20mM MES (pH6.0), 20% glycerol, 0.1M NaCl and 1mM EDTA.		

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 interferons.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

IFNG Canine Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 166 amino acids (24-166 a.a) and having a molecular mass of 19.3kDa. IFNG is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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