9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IFN g Equine

Interferon-Gamma Equine Recombinant
CYK0194

Product Overview

Name	IFN g Equine
Description	
Interferon-Gamma Equine Recombinant	
Accession (Primary)	P42160
Synonyms	
Interferon gamma, IFN-gamma, IFNG.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4 and 5% trehalose.	
Stability	
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.	
Purity	
Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
QAAFFKEIEN LKEYFNASNP DVGDGGPLFL DILKNWKEDS DKKIIQSQIV SFYFKLFENL KDNQVIQKSM DTIKEDLFVK FFNSSTSKLE DFQKLIQIPV NDLKVQRKAI SELIKVMNDL SPKANLRKRK RSQNPFRGRR ALQ.	
Biological Activity	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

The ED 50 as determined by an anti-viral assay using human HeLa cells infected with encephalomyocarditis (EMC) virus is less than 10.0 ng/ml, corresponding to a specific activity of > 1.0 × 10 5 IU/mg.

Solubility

It is recommended to reconstitute the lyophilized Interferon-gamma in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IFN g Equine is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P42160)