



Product Datasheet

Product Name	Interferon-Gamma Rat Recombinant
Cata No	CB500261
Source	<i>Escherichia Coli.</i>
Synonyms	Immune Interferon, type II interferon, T cell interferon, MAF, IFNG, IFG, IFI, IFN-gamma.

Description

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.

Interferon-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.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

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 1×10^7

Units/mg.

Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

Lyophilized from a 0.2µm filtered concentrated (1mg/ml) solution in PBS, pH 7.4.

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.

Sequence

The sequence of the first five N-terminal amino acids was determined and was found to be Met-Gln-Gly-Tyr-Leu.

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