



Recombinant Mouse IFN γ
(Interferon gamma)

Catalog Number: 200-16
Accession Number: P01580

Specifications and Uses:

Alternate Names: Type II interferon, T cell interferon, Immune Interferon, MAF

Description:

Interferon gamma, IFN γ , is a major immune-modulating molecule produced mainly by T cells and natural killer cells activated by antigens, mitogens or alloantigens. Most immune cells express IFN γ receptors and respond to IFN γ -induced signaling by up-regulating MHC class I expression. Human IFN γ does not show cross-reactivity with mouse. Recombinant mouse IFN γ is a non-glycosylated protein, containing 134 amino acids, with a molecular weight of 15.6 kDa.

Source: *E.coli*

Physical Appearance: Sterile filtered white lyophilized (freeze-dried) powder.

Formulation and Stability:

Recombinant mouse IFN γ is lyophilized from 0.5x PBS, pH 7.2.

Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

Reconstitution:

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Protein Content and Purity (typically $\geq 95\%$) determined by:

Reducing and Non-reducing SDS-PAGE, UV spectroscopy at 280 nm

Endotoxin Level:

Measured by kinetic LAL analysis and is typically ≤ 1 EU/ μ g protein.

Biological Activity:

The activity is determined in a viral challenge assay using EMC virus on L929 cells and is typically less than 0.2 ng/mL.

AA Sequence:

MHGTVIESLE SLNNYFNSSG IDVEEKSLFL DIWRNWQKDG DMKILQSQII SFYLRLFEVL KDNQAISNNI
SVIESHLITT FFSNSKAKKD AFMSIAKFEV NNPQVQRQAF NELIRVVHQL LPESLRKRK RSRC

THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT FOR USE IN HUMANS!

Gentauro Molecular Products
Voortstraat 49
1910 Kampenhout, Belgium