

Mouse IFNG / Interferon Gamma Protein

Catalog Number: 50709-MNAH



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

IFNG

Protein Construction:

A DNA sequence encoding the mouse IFNG (NP_032363.1) (Met1-Cys155) was expressed and purified.

Source: Mouse

Expression Host: Human Cells

QC Testing

Purity: (80+7.6) % as determined by SDS-PAGE

Bio-Activity:

1. Measured by its binding ability in a functional ELISA.
2. Immobilized mouse IFNG at 10 µg/mL (100 µL/well) can bind mouse IFNGR1-Fc (Cat:50705-M02H). The EC50 of mouse IFNGR1-Fc (Cat:50705-M02H) is 0.04-0.08 µg/mL.
3. Measured in antiviral assays using L929 cells infected with vesicular stomatitis virus. The ED50 for this effect is typically 0.5-2 ng/mL.

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: His 23

Molecular Mass:

The recombinant mouse IFNG consists of 133 amino acids and predicts a molecular mass of 15.5 kDa. It migrates as approximately 19.6 and 15.4 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

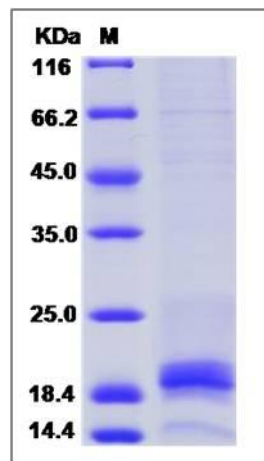
Usage Guide

Storage:

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

SDS-PAGE:



Reconstitution:

Detailed reconstitution instructions are sent along with the products.

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

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