

Mouse IFNA2 (Fc Tag) recombinant protein



Catalog Number: 504652

General Information

Protein Construction

A DNA sequence encoding the mouse IFNA2 (P01573?) (Cys 24-Glu 190) was fused with the Fc region of human IgG1 at the N-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Measured in antiviral assays using L929 cells infected with vesicular stomatitisvirus (VSV). The ED₅₀ for this effect is 0.1-0.8 ng/mL.

2. Measured by its binding ability in a functional ELISA. Immobilized mouse IFNAR1-His (Cat:500630) at 10 µg/ml (100 µl/well) can bind mouse Fc-IFNA2 (cat:504652), The EC₅₀ of mouse Fc-IFNA2 (cat:504652) is 0.8-1.9 µg/ml.

Purity

> 88 % as determined by SDS-PAGE

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

Glu

Molecular Mass

The recombinant mouse IFNA2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 427 amino acids and has a calculated molecular mass of 47.8 kDa. The apparent molecular mass of the monomer is approximately 52 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

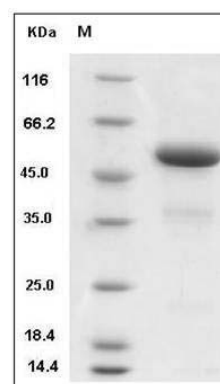
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Mouse IFNA2 / Interferon alpha 2 Protein (Fc Tag)
SDS-PAGE