Mouse IFNA14 (Fc Tag) recombinant protein

Catalog Number: 501673

General Information

Gene Name Synonym

Interferon, alpha 14; MCG146423; Protein Ifna14

Protein Construction

A DNA sequence encoding the secreted form of mouse IFNA14 (NP_996858.1) (Cys 24-Lys 189) was fused with the Fc region of human IgG1 at the N-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured in antiviral assays using L929 cells infected with vesicular stomatitisvirus (VSV). The ED_{50} for this effect is typically 10-100 pg/mL.

Purity

> 92 % 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℃

Predicted N terminal

Glu

Molecular Mass

The recombinant mouse IFNA14/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 426 amino acids and has a predicted molecular mass of 47.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm IFNA14/Fc monomer is approximately 50 kDa.

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

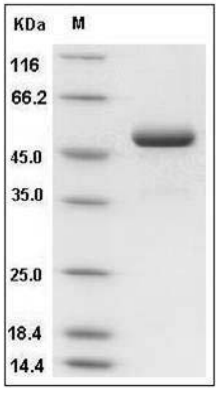
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 IFNA14 / Interferon alpha-14 Protein (Fc Tag) SDS-PAGE