Human IFNA5/IFNaG (Fc Tag) recombinant protein

Catalog Number: 501289

General Information

Gene Name Synonym

Interferon alpha-61; Interferon alpha-G

Protein Construction

A DNA sequence encoding the human IFN? G (NP_002160.1) (Leu 22-Glu 189) was fused with the Fc region of human IgG1 at the N-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured in antiviral assays using WISH human amnion cells infected with vesicular stomatitis virus (VSV). The EC_{50} for this effect is 0.16-0.8 ng/mL.

Purity

> 95 % 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 20

Molecular Mass

The recombinant human IFN? G/Fc chimera is a disulfide-linked homodimer. The reduced monomer comprises 405 amino acids with a predicted molecular mass of 46.3 kDa. As a result of glycosylation, rh IFN? G/Fc monomer migrates as an approximately 48-50 kDa band 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

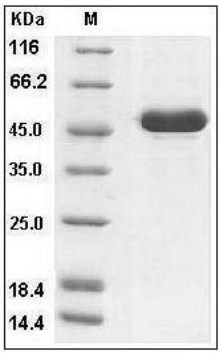
Storage

Store it under sterile conditions at -20℃ 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



Human IFNA5 / IFNaG / Interferon alpha-G Protein (Fc Tag) SDS-PAGE