

Human IFNA4 (Fc Tag) recombinant protein



Catalog Number: 503253

General Information

Gene Name Synonym

Interferon alpha-4B; Interferon alpha-76;
Interferon alpha-M1

Protein Construction

A DNA sequence encoding the mature form of human IFN- α 4a (NP_066546.1) (Cys 23-Asp 189) was expressed with the N-terminal fused Fc region of human IgG1.

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 EC₅₀ for this effect is 0.2-1 ng/mL.

Purity

> 97 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ g 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 human Fc/IFN- α 4a is a disulfide-linked homodimeric protein. The reduced monomer consists of 403 amino acids and has a predicted molecular mass of 46 kDa. As a result of glycosylation, the apparent molecular mass of rh Fc/IFN- α 4a monomer is approximately 50 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

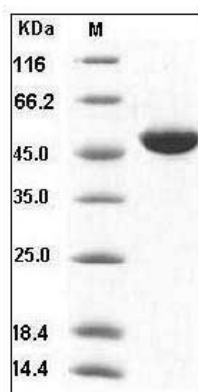
Storage

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



Human IFN α 4 / IFNa4 / Interferon alpha-4 Protein (Fc Tag) SDS-PAGE