

Human IFNA4 (His Tag) recombinant protein



Catalog Number: 503870

General Information

Gene Name Synonym

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

Protein Construction

A DNA sequence encoding the human IFN α 4a (NP_066546.1) (Met 1-Asp 189) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured in antiviral assays using WISH human amnion cells infected with vesicular stomatitis virus (VSV).

The ED₅₀ for this effect is typically 2-8 pg/mL.

Purity

> 88 % 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

Cys 24

Molecular Mass

The recombinant human IFN α 4a consists of 176 amino acids and predicts a molecular mass of 20.7 kDa. It migrates as an approximately 20 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly

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

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

Usage Guide

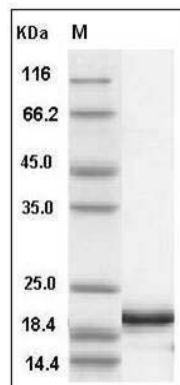
Storage

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 / IFN α 4 / Interferon alpha-4 Protein (His Tag) SDS-PAGE