

General Information

Protein Construction

A DNA sequence encoding the cynomolgus IFNA4 (Met1-Asn189) was expressed with Fc region of mouse IgG at the C-terminus.

Organism

Cynomolgus

Expression Host

Human Cells

QC Testing

Activity

Measured in antiviral assays using WISH human amnion cells infected with vesicular stomatitisvirus (VSV).
The ED₅₀ for this effect is 0.03-0.3 ng/mL.

Purity

> 90 % 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

Cys 24

Molecular Mass

The recombinant cynomolgus IFNA4 is a disulfide-linked homodimer. The reduced monomer comprises 400 amino acids and has a calculated molecular mass of 45.6 KDa. The apparent molecular mass of the protein is approximately 48 KDa respectively in SDS-PAGE.

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.