

# Rhesus IFNA2 (His Tag) recombinant protein



Catalog Number: 502009

## General Information

### Gene Name Synonym

Uncharacterized protein

### Protein Construction

A DNA sequence encoding the rhesus IFNA2 (NP\_001129266.1) (Met1-Glu188) was expressed with a polyhistidine tag at the C-terminus.

### Organism

Rhesus

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured in antiviral assays using WISH human amnion cells infected with vesicular stomatitisvirus (VSV). The  $ED_{50}$  for this effect is 0.4-4 pg/mL.
2. Measured by its binding ability in a functional ELISA. Immobilized Rhesus IFNA2-His (cat:502009) at 10 µg/ml (100 µl/well) can bind human IFNAR2-Fc (Cat:501243) with a linear range of 0.31-2.5 µg/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 rhesus IFNA2 comprises 176 amino acids and has a calculated molecular mass of 21 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

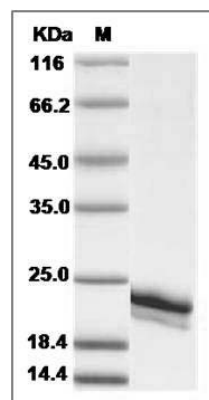
### Storage

Store it under sterile conditions at -20°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



Cynomolgus IFNA2 / Interferon alpha 2 Protein (His Tag) SDS-PAGE