

# Rat IFN-alpha / IFNA1 / IFN (Fc Tag) recombinant protein



Catalog Number: 503755

## General Information

### Protein Construction

A DNA sequence encoding the rat IFNA1 (P05011) (Met 1-Ser 192) was fused with the Fc region of human IgG1 at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

Measured in antiviral assays using L929 cells infected with vesicular stomatitisvirus (VSV). The ED<sub>50</sub> for this effect is 1-10 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 rat IFNA1/Fc is a disulfide-linked

homodimer. The reduced monomer comprises 410 amino acids and predicts a molecular mass of 46.4 kDa. The apparent molecular mass of the rat IFNA1/Fc 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

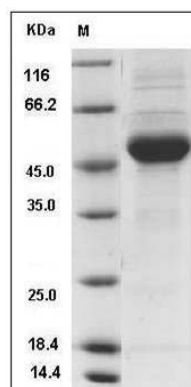
### Storage

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



Rat IFN-alpha / IFNA1 / IFN Protein (Fc Tag) SDS-PAGE