

# Human IFNA7 (Fc Tag) recombinant protein



Catalog Number: 501846

## General Information

### Gene Name Synonym

Interferon alpha-J; Interferon alpha-J1

### Protein Construction

A DNA sequence encoding the human IFNA7 (P01567) (Cys 24-Asp 189) was fused with the Fc region of human IgG1 at the N-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

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

The ED<sub>50</sub> for this effect is 0.1-1 ng/mL.

### Purity

> 85 % 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

Glu

### Molecular Mass

The recombinant human IFNA7/Fc chimera is a disulfide-linked homodimer. The reduced monomer comprises 427 amino acids with a predicted molecular mass of 48 kDa. rh IFNA7/Fc monomer migrates as an approximately 50 kDa band 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

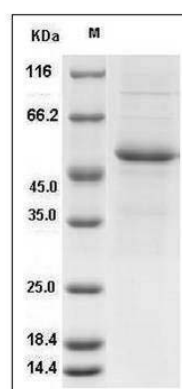
### Storage

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 Interferon alpha 7 / IFNA7 Protein (Fc Tag) SDS-PAGE