

# Human IFNGR1/CD119 (His & Fc Tag) recombinant protein



Catalog Number: 502676

## General Information

### Gene Name Synonym

CDw119

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Gly 245) of human IFN- $\gamma$  receptor 1 pre-protein (NP\_000407.1) was fused with C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to inhibit rhIFN $\gamma$  mediated protection of WISH cells infected with vesicular stomatitis virus(VSV).

The ED<sub>50</sub> for this effect is typically 0.4-2  $\mu$ g/mL.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ 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

Glu 18

### Molecular Mass

The recombinant human IFN- $\gamma$ R1/Fc is a disulfide-linked homodimeric Protein after removal of the signal peptide. The reduced monomer consists of 475 amino acids and predicts a molecular mass of 53.7 kDa. By SDS-PAGE under reducing conditions, the apparent molecular mass of rhIFN- $\gamma$ R1/Fc is approximately 75-80 kDa due to the glycosylation.

### 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

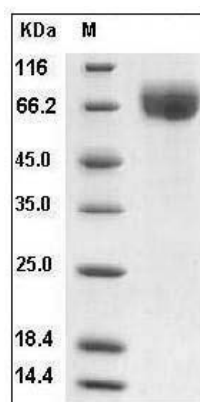
### Storage

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 IFNGR1 / CD119 Protein (His & Fc Tag)  
SDS-PAGE