

# Mouse IFNGR1/CD119 (Fc Tag) recombinant protein



Catalog Number: 503623

## General Information

### Protein Construction

A DNA sequence encoding the mouse IFNGR1 (P15261) extracellular domain (Met 1-Asp 253) was fused with the Fc region of human IgG1 at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized mouse IFNG-His (Cat:504176) at 10 µg/ml (100 µl/well) can bind mouse IFNGR1-Fc (cat:503623). The  $EC_{50}$  of IFNGR1-Fc (cat:503623) is 58.2-135.9 ng/ml.

### Purity

> 95 % 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

Gly 23

### Molecular Mass

The recombinant mouse IFNGR1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 472 amino acids and has a predicted molecular mass of 53 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmIFNGR1/Fc monomer is approximately 70-75 kDa due to 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

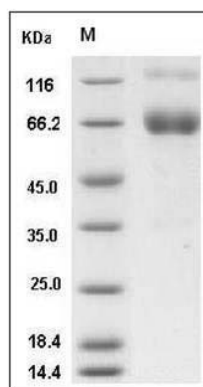
### Storage

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



Mouse IFNGR1 / CD119 Protein (Fc Tag) SDS-PAGE