

# Mouse CD64/FCGR1 (His Tag) recombinant protein



Catalog Number: 503349

## General Information

### Gene Name Synonym

Fc-gamma RI

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Pro 297) of mouse FCGR1 (NP\_034316.1) precursor was fused with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized mouse CD64-His at 10 µg/ml (100 µl/well) can bind biotinylated human IgG1. The EC<sub>50</sub> of biotinylated human IgG1 is 0.07-0.17 µg/ml.

### Purity

> 97 % 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 25

### Molecular Mass

The recombinant mouse FCGR1 consists of 284 amino acids after removal of the signal peptide and has a predicted molecular mass of 32 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm FCGR1 is approximately 45-50 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

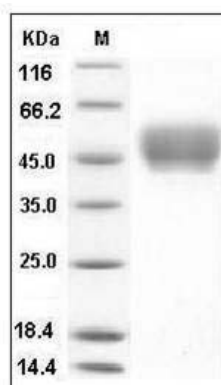
### Storage

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 CD64 / FCGR1 Protein (His Tag) SDS-PAGE