

# Mouse CD16-2/FCGR4 (His Tag) recombinant protein



Catalog Number: 504214

## General Information

### Gene Name Synonym

Protein Fcgr4

### Protein Construction

The amino acid sequence corresponding to Met 1-Gln 203 of mouse FCGR4 (NP\_653142.2) 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 FCGR4 (Cat:504214) at 10 µg/ml (100 µl/well) can bind recombinant human IgG1 (Fc) (Cat:500583). The  $EC_{50}$  of human IgG1 (Fc) (Cat:500583) is 0.11-0.25 µg/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

Glu 19

## Molecular Mass

The recombinant mouse FCGR4 consists of 194 amino acids and has a predicted molecular mass of 22.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmFCGR4 is approximately 25-35 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

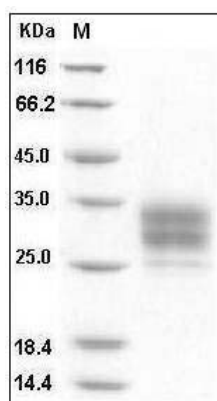
### Storage

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 CD16-2 / FCGR4 Protein (His Tag) SDS-PAGE