

# Mouse CD16 / FCGR3 (His Tag) recombinant protein



Catalog Number: 500209

## General Information

### Gene Name Synonym

Fc-gamma RIII

### Protein Construction

A DNA sequence encoding the mouse FCGR3 (P08508-1) extracellular domain (Met 1-Thr 215) 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 FCGR3-His at 10 µg/ml (100 µl/well) can bind biotinylated human IgG1. The  $EC_{50}$  of biotinylated human IgG1 is 0.12-0.28 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

Ala 31

## Molecular Mass

The secreted recombinant mouse FCGR3 consists of 196 amino acids and has a predicted molecular mass of 22.6 kDa. As a result of glycosylation, the apparent molecular mass of rmFCGR3 is approximately 35-40 kDa 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

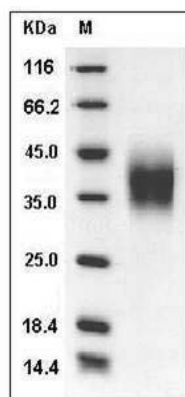
### Storage

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



Mouse CD16 / FCGR3 Protein (His Tag) SDS-PAGE