

# Rat CD16a/FCGR3A (His Tag) recombinant protein



Catalog Number: 504601

## General Information

### Protein Construction

A DNA sequence encoding the rat FCGR3A (ABO70343.1) extracellular domain (Met 1-Pro 200) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized rat FCGR3A-His (Cat:504601) at 10 µg/ml (100 µl/well) can bind biotinylated human IgG1, The EC<sub>50</sub> of biotinylated human IgG1 is 59.0-139.0 ng/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

Leu 22

## Molecular Mass

The recombinant rat FCGR3A comprises 190 amino acids and predicts a molecular mass of 21.7 kDa. The apparent molecular mass of the rat FCGR3A is approximately 28-33 kDa in SDS-PAGE under reducing conditions 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

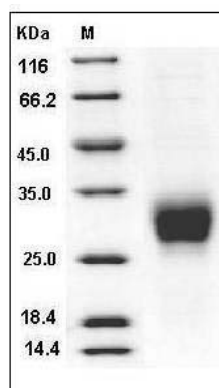
### Storage

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



Rat CD16a / FCGR3A Protein (His Tag) SDS-PAGE