

# Human CD32a / Fc gamma RIIA / FCGR2A (167 Arg, Fc Tag) recombinant protein



Catalog Number: 503883

## General Information

### Gene Name Synonym

CDw32; Fc-gamma RII-a

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Ile 218) of human CD32a (AAA35827.1) was fused with the Fc region of human IgG1 at the C-terminus. It is identical to FCGR2A131H/R in the reference.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized human CD32a-Fc (Cat:503883) at 10 µg/ml (100 µl/well) can bind biotinylated human IgG1 with a linear range of 0.625-10 µg/ml.

### Purity

> 90 % 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

Gln 34

## Molecular Mass

The recombinant human CD32a/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 426 amino acids and predicts a molecular mass of 47.3 kDa. As a result of glycosylation, the apparent molecular mass of rh CD32a/Fc monomer is approximately 55 kDa in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile PBS, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

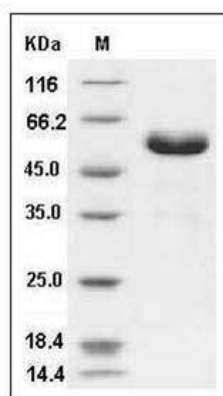
### Storage

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



Human CD32a / FCGR2A Protein (167 Arg, Fc Tag) SDS-PAGE