

# Human CD32a / Fc gamma RIIA / FCGR2A (166 Arg, His Tag) recombinant protein



Catalog Number: 503128

## General Information

### Gene Name Synonym

CDw32; Fc-gamma RII-a

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Gly 216) of human CD32a (AAH19931.1) precursor was expressed, with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized human CD32a (Cat:503128) 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

> 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 consists of 192 amino acids after removal of the signal peptide and predicts a molecular mass of 22 kDa. It migrates as an approximately 25 kDa protein due to glycosylation by SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile 20mM Tris, 50mM NaCl, 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

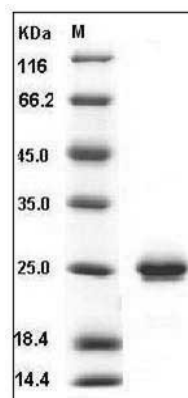
### Storage

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



Human CD32a / FCGR2A Protein (166 Arg, His Tag) SDS-PAGE