

# Human CD32a / Fc gamma RIIA / FCGR2A (His & AVI Tag) recombinant protein



Catalog Number: 504269

## General Information

### Gene Name Synonym

CDw32; Fc-gamma RII-a

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Met 210) of human CD32a (P12318-1) was fused with a c-terminal polyhistidine tagged AVI tag 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-AVI (167 Arg/His) at 10 µg/ml (100 µl/well) can bind biotinylated human IgG1. The EC<sub>50</sub> of biotinylated human IgG1 is 0.13-0.29 µg/ml.

### Purity

> 98 % 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 213 amino acids after removal of the signal peptide and predicts a molecular mass of 23.6 KDa. It migrates as an approximately 32 KDa band due to glycosylation by 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

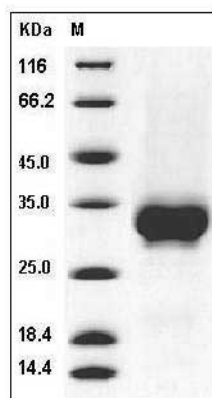
### Storage

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



Human CD32a / FCGR2A Protein (167 His) (His & AVI Tag) SDS-PAGE