

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



Catalog Number: 502432

## 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 (P12318-1) was expressed with a C-terminal polyhistidine tag. It is identical to FCGR2A131H/R in the reference.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind Human IgG2-Fc (Native) (Cat:501951) in a functional ELISA.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Gln 34

## Molecular Mass

The recombinant human CD32a consists of 196 amino acids after removal of the signal peptide and predicts a molecular mass of 22 KDa. It migrates as an approximately 30 KDa protein due to glycosylation by 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

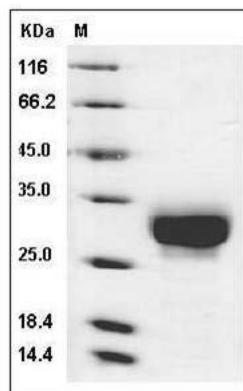
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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 Tag) SDS-PAGE