

# Human CD32b/Fc gamma RIIB/FCGR2B (His & AVI Tag) recombinant protein



Catalog Number: 503248

## General Information

### Gene Name Synonym

CDw32; Fc-gamma RII-b

### Protein Construction

A DNA sequence encoding the extracellular domain (Ala 46-Ile 224) of mature human CD32b (NP\_001002274.1) protein was fused with a signal peptide at the N-terminus and a c-terminal polyhistidine tagged AVI tag at the C-terminus. The expressed protein was biotinylated in vivo by the Biotin-Protein ligase (BirA enzyme) which is co-expressed.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.

Immobilized Human IgG1 at 10 µg/ml (100 µl/well) can bind Human CD32b(Cat:503484-B). The EC<sub>50</sub> of Human CD32b(Cat:503484-B) is 1.6 - 3.7 µg/ml.

2. Labeling ratio of biotin to protein: 0.5

### Purity

> 95 % 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

Ala 46

### Molecular Mass

The recombinant mature human CD32b consists of 214 amino acids after proteolytic removal of the signal peptide and predicts a molecular mass of 24 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of the protein is approximately 35 kDa protein 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

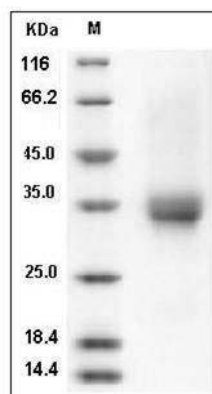
### Storage

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



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Human CD32b / FCGR2B Protein (His & AVI Tag), Biotinylated SDS-PAGE