

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



Catalog Number: 503230

## General Information

### Gene Name Synonym

CDw32; Fc-gamma RII-b

### Protein Construction

A DNA sequence encoding the extracellular domain (Ala 46-Pro 217) of mature human CD32b (NP\_001002274.1) protein was expressed with a N-terminal signal peptide and a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant human CD32b at 10 µg/ml (100 µl/well) can bind human IgG2 with a linear range of 0.16-6.4 µg/ml.

### 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 183 amino acids after proteolytic removal of the signal peptide and predicts a molecular mass of 20.8 kDa. By SDS-PAGE under reducing conditions, it migrates as an approximately 25-30 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

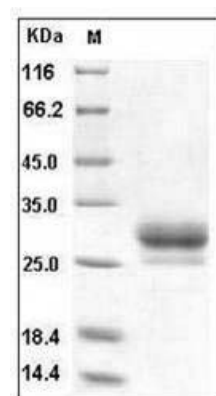
### Storage

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



Human CD32b / FCGR2B Protein (His Tag) SDS-PAGE