

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



Catalog Number: 501282

General Information

Gene Name Synonym

CDw32; Fc-gamma RII-b

Protein Construction

A DNA sequence encoding (Ala46-Pro217) of human CD32b (P31994-1) was expressed, with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

CHO Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA.

Immobilized human sCD32b-His (CHO) (Cat:501282) at 10 µg/ml (100 µl/well) can bind biotinylated human IgG1. The EC₅₀ of biotinylated human IgG1 is 0.18-0.42 µg/ml.

Purity

> 97 % 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 secreted recombinant human CD32b consists of 183 amino acids and predicts a molecular mass of 20.8 KDa. The apparent molecular mass of the protein is approximately 29 KDa in SDS-PAGE under reducing conditions 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

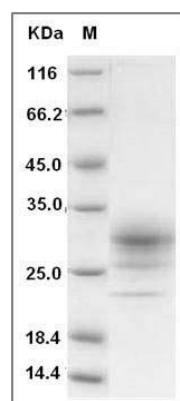
Storage

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