Human CD32b / FCGR2B Protein (His Tag)

Catalog Number: **10259-H08H**

Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

CD32B; Fc gamma RIIB; FCGR2; AI528646; CD32; F630109E10Rik; Fcgr2; Fcgr2a; FcgRII; Fcr-2; Fcr-3; fcRII; Fc[g]RII; Ly-17; Ly-m20; LyM-1

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.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Bio 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.

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 ℃

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

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

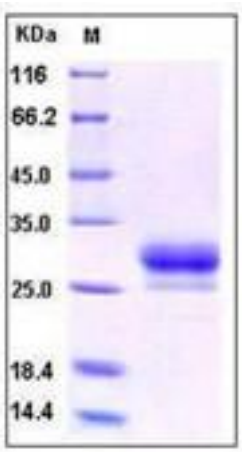
Usage Guide

Storage:

Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

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