

Mouse CD36/SCARB3 (His Tag) recombinant protein



Catalog Number: 504264

General Information

Gene Name Synonym

Glycoprotein IIb/IIIa; PAS IV; PAS-4; Platelet glycoprotein IV

Protein Construction

A DNA sequence encoding the extracellular domain of mouse CD36 (NP_001153030.1) (Gly 30-Lys 439) was expressed, with a polyhistidine tag at the C-terminus and a signal peptide at the N-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized human RSPO1-His (Cat:504120) at 10 µg/mL (100 µl/well) can bind biotinylated mouse CD36-His (Cat:504264), The EC_{50} of can bind biotinylated mouse CD36-His (Cat:504264) is 0.1-0.4 µg/mL.

Purity

> 92 % 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

Gly 30

Molecular Mass

The secreted recombinant mouse CD36 consists of 421 amino acids and has a calculated molecular mass of 47.8 kDa. As a result of glycosylation, the apparent molecular mass of rmCD36 is approximately 80-90 kDa in SDS-PAGE under reducing conditions.

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

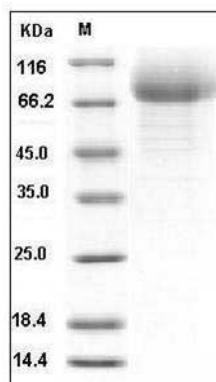
Storage

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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Mouse CD36 / SCARB3 Protein (His Tag) SDS- PAGE