Recombinant Mouse Cd36 protein(Gly30-Lys439), His&hFc-tagged

Cat. No. Cd36-3322M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD36 (NP_001153030.1) (Gly 30-Lys 439) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of Human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	30-439 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human RSPO1 at 20 μg/ml (100 μl/well) can bind mouse CD36 Fc chimera with a linear range of 6.4-800 ng/ml.
Molecular Mass	The recombinant mouse CD36/Fc chimera is a disulfide-linked homodimer. The reduced monomer consists of 658 amino acids and has a calculated molecular mass of 74.5 kDa. As a result of glycosylation, the apparent molecular mass of rmCD36/Fc monomer is approximately 110-120 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method

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Purity	> 88 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Cd36 CD36 antigen [Mus musculus]
Official Symbol	Cd36
Synonyms	CD36; CD36 antigen; platelet glycoprotein 4; PAS-4; GPIIIB; PAS IV; glycoprotein IIIb; fatty acid translocase; platelet glycoprotein IV; FAT; GPIV; Scarb3;
Gene ID	12491
mRNA Refseq	NM_001159555
Protein Refseq	NP_001153027

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