

Recombinant Mouse Scarb1, His-tagged

Cat. No. Scarb1-3294M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Scarb1 protein (Gly 30- Lys 439), fused with the His tag at the N-terminus, was expressed in <i>Human Cells</i> .
Species	Mouse
Source	Human Cells
ProteinLength	30-439 a.a.
Description	Mouse platelet glycoprotein 4, also known as Leukocyte differentiation antigen CD36, GPIIIB, GP3B, FAT, and CD36, is integral membrane protein found on the surface of many cell types in vertebrate animals. It belongs to the CD36 family and is found on platelets, erythrocytes, monocytes, differentiated adipocytes, mammary epithelial cells, spleen cells and some skin microdermal endothelial cells. CD36 has also been implicated in hemostasis, thrombosis, malaria, inflammation, lipid metabolism and atherogenesis. CD36 seems to have numerous potential physiological functions. It binds to collagen, thrombospondin, anionic phospholipids and oxidized LDL.
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.
Predicted N Terminal	Gly 30.

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Purity	> 92 % as determined by SDS-PAGE.
Formulation	Lyophilized from sterile PBS, pH 7.4.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Storage And Stability	Samples are stable for up to twelve months from date of receipt at -70 ⁰ C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	Scarb1 scavenger receptor class B, member 1 [Mus musculus]
Synonyms	Scarb1; scavenger receptor class B, member 1; CD36; Cla1; SRBI; Srb1; Cla-1; SR-B1; SR-BI; Cd36l1; Hlb398; mSR-BI; AI120173; D5Ert460e; OTTMUSP00000026063; scavenger receptor class B1; scavenger receptor class B type I
Gene ID	20778
mRNA Refseq	NM_016741
Protein Refseq	NP_058021
UniProt ID	Q61009
Chromosome	68.0 cM

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Location

Function

high-density lipoprotein binding; receptor activity

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