Datasheet for ABIN7320864

CD36 Protein (CD36) (His tag,AVI tag)

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1 Image

Overview

Quantity:	100 µg
Target:	CD36
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD36 protein is labelled with His tag,AVI tag.

Product Details

Purpose:	Recombinant Mouse CD36/SCARB3 Protein (AVI & His Tag)
Sequence:	Gly30-Lys439
Characteristics:	Biotinylated Recombinant Mouse Platelet Glycoprotein 4 is produced by our Mammalian expressionsystem and the target gene encoding Gly30-Lys439 is expressed with a Avi-6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CD36
Alternative Name:	CD36/SCARB3 (CD36 Products)
Background:	Background: Platelet Glycoprotein 4(CD36) is belongs to the class B scavenger receptor family. The molecule CD36 is synthesized as a 472 amino acid (aa) protein that contains a 6 aa N-

Target Details

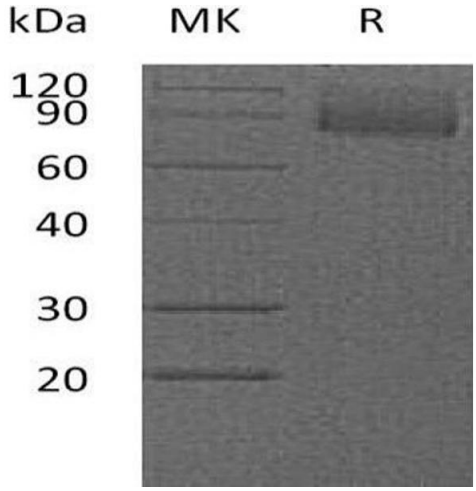
	terminal cytoplasmic domain, a 22 aa N-terminal transmembrane segment, a 420 aa extracellular ""loop"", a 22 aa C-terminal transmembrane segment, and a 9 aa C-terminal cytoplasmic tail. Both cytoplasmic tails are palmitoylated, with the C-terminal tail involved in oxidized LDL binding. With respect to the extracellular loop, the N-terminal region is believed to bind both thrombospondin-1 and Plasmodium-infected erythrocytes. Other ligands for CD36 include long-chain fatty acids, collagen, phospholipids and apoptotic cells. Cells known to express CD36 include capillary endothelium, adipocytes, skeletal muscle cells, intestinal epithelium, smooth muscle cells and hematopoietic cells such as RBC's, platelets and monocytes. On the surface of cells, CD36 is suggested to exist as a dimer in response to ligation (7). CD36 is reported to regulate fatty uptake, act as an angiogenic with TSP-1, and participate in the clearance of apoptotic phagocytes. Synonym: Glycoprotein IIIb, GPIIIB, PAS IV, PAS-4, Platelet glycoprotein IV, GPIV, CD36
Molecular Weight:	49 kDa
UniProt:	Q08857
Pathways:	TLR Signaling, Peptide Hormone Metabolism, Response to Growth Hormone Stimulus, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Regulation of Lipid Metabolism by PPARalpha, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Hepatitis C, Toll-Like Receptors Cascades, Lipid Metabolism, S100 Proteins

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.

