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Datasheet for ABIN1096314  
**CD36 Protein (CD36) (AA 27-432) (His tag)**

## Overview

Quantity:	50 µg
Target:	CD36
Protein Characteristics:	AA 27-432
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD36 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Scavenger Receptor B2/SR-B2/LIMPII/CD36L2 (C-6His)
Sequence:	<p>RVFQKAVDQS IEKKIVLRNG TEAFDSWEKP PLPVYQTQFYF FNVTNPEEIL RGETPRVEEV GPYTYRELRN KANIQFGDNG TTISAVSNKA YVFERDQSVG DPKIDLIRTL NIPVLTVIEW SQVHFLREII EAMLKAYQK LFTVHTVDEL LWGYKDEILS LIHVFRPDIS PYFGLFYEKN GTNDGDYVFL TGEDSYLNFT KIVEWNGKTS LDWWITDKCN MINGTDGDSF HPLITKDEVL YVFPDFCRS VYITFSDYES VQGLPAFRYK VP AEILANTS DNAGFCIPEG NCLGSGVLNV SICKNGAPII MSFPHFYQAD ERFVSAIEGM HPNQEDHETF VDINPLTGII LKAAKRFQIN IYVKKLDDFV ETGDIRTMVF PVMYLNESVH IDKETASRLK SMINTTLDHH HHHH</p>
Characteristics:	Recombinant Human Scavenger Receptor Class B Member 2/SCARB2 produced by transfected human cells is a secreted protein with sequence (Arg27-Thr432) of Human SCARB2 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Product Details

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Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

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## Target Details

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Target:	CD36
Alternative Name:	cd36 ( <a href="#">CD36 Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Scavenger Receptor Class B Member 2 (SCARB2) is a type III multi-pass membrane glycoprotein that is located primarily in limiting membranes of lysosomes and endosomes on all tissues and cell types so far examined. Earlier studies in mice and rat suggested that this protein may participate in membrane transportation and the reorganization of endosomal/lysosomal compartment. The protein deficiency in mice was reported to impair cell membrane transport processes and cause pelvic junction obstruction, deafness, and peripheral neuropathy. Further studies in human showed that this protein is identified as a receptor for EV71 (human enterovirus species A, Enterovirus 71) and CVA16 (coxsackievirus A16) which are most frequently associated with hand, foot and mouth disease (HFMD). Mutations in this gene caused an autosomal recessive progressive myoclonic epilepsy-4 (EPM4), also known as action myoclonus-renal failure syndrome (AMRF). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. In addition, SCARB2 also has been shown to bind thrombospondin-1, may contribute to the pro-adhesive changes of activated platelets during coagulation, and inflammation.</p> <p>Alternative Names: Lysosome Membrane Protein 2, 85 kDa Lysosomal Membrane Sialoglycoprotein, LGP85, CD36 Antigen-Like 2, Lysosome Membrane Protein II, LIMP II, Scavenger Receptor Class B Member 2, CD36, SCARB2, CD36L2, LIMPII</p>
Molecular Weight:	47.59 kDa
UniProt:	<a href="#">Q14108</a>
Pathways:	<a href="#">TLR Signaling</a> , <a href="#">Peptide Hormone Metabolism</a> , <a href="#">Response to Growth Hormone Stimulus</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of Lipid Metabolism by PPARalpha</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Hepatitis C</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">Lipid Metabolism</a> , <a href="#">S100 Proteins</a>

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 µg/mL.  
Dissolve the lyophilized protein in ddH<sub>2</sub>O.  
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: 4 °C/-20 °C/-80 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.  
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.  
Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 3 months