

Datasheet for ABIN7320282  
**CD36 Protein (CD36) (His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	CD36
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD36 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse CD36/SCARB3 Protein (His Tag)(Active)
Sequence:	Gly 30-Lys 439
Characteristics:	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.
Purity:	> 92 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	1. Measured by its binding ability in a functional ELISA.2. Immobilized human RSP01-His at 10 µg/mL (100 µl/well) can bind biotinylated mouse CD36-His , The EC50 of can bind biotinylated mouse CD36-His is 0.1-0.4 µg/mL.

## Target Details

Target:	CD36
Alternative Name:	CD36/SCARB3 ( <a href="#">CD36 Products</a> )
Background:	<p>Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. Cluster of differentiation 36 (CD36), also known as FAT, SCARB3, GP88, glycoprotein IV (gpIV) and glycoprotein IIIb (gpIIIb), is a member of the CD system as well as the class B scavenger receptor family of cell surface proteins. CD36 can be found on the surface of many cell types in vertebrate animals and it consists of 472 amino acids and is extensively glycosylated. It is an integral membrane protein primarily serving as receptors for thrombospondin and collagen and by the erythrocytes infected with the human malaria parasite. The role of CD36 as a cell surface receptor has been extended to that of a signal transduction molecule.</p> <p>Synonym: FAT,GPIV,Scarb3</p>
Molecular Weight:	47.8 kDa
NCBI Accession:	<a href="#">NP_001153030</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>

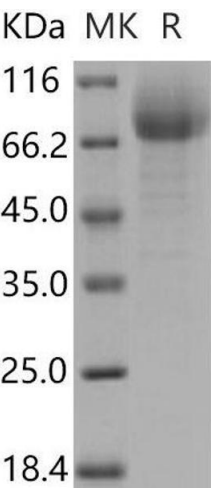
## Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4

Handling

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.

Images



**Western Blotting**

**Image 1.**