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CD36 Protein (CD36) (AA 30-439) (His-Avi Tag)





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Quantity:	100 μg
Target:	CD36
Protein Characteristics:	AA 30-439
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD36 protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human CD36/SR-B3 Protein	
Sequence:	Gly30-Asn439	
Characteristics:	Recombinant Human CD36/SR-B3 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Gly30-Asn439.	
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC	
Sterility:	0.22 µm filtered	
Endotoxin Level:	Less than 1EU per µg by the LAL method.	

Target Details

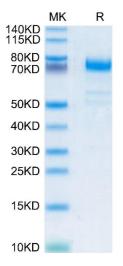
Target:	CD36
Alternative Name:	CD36 (CD36 Products)

Target Details

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Background:	CD36, alternatively known as platelet membrane glycoprotein IV (GPIV), GPIIIb, thrombospondin
	receptor, collagen receptor, fatty acid translocase (FAT), and scavenger receptor class B,
	member 3 (SR-B3), is an integral membrane glycoprotein that has multiple physiological
	functions.CD36 is a multifunctional glycoprotein that acts as receptor for a broad range of
	ligands. Ligands can be of proteinaceous nature like thrombospondin, fibronectin, collagen or
	amyloid-beta as well as of lipidic nature such as oxidized low-density lipoprotein (oxLDL),
	anionic phospholipids, long-chain fatty acids and bacterial diacylated lipopeptides.
Molecular Weight:	49.5 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.
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

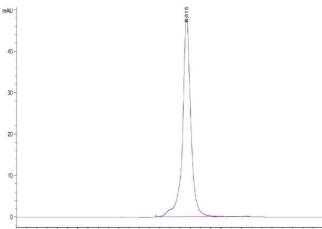
Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from $0.22\mu m$ filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human CD36/SR-B3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human CD36/SR-B3 is greater than 94 % as determined by SEC-HPLC.