

**RPCB1473**

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## Product Information

<b>Product SKU:</b>	RPCB1473	<b>Gene ID:</b>	948	<b>Size:</b>	10µg
<b>Tag:</b>	C-His	<b>Reactivity:</b>	Human		

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## Additional Information

<b>Expression Host:</b>	HEK293 cells	<b>Swissprot:</b>	P16671
<b>Purity:</b>	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC		

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## Protein Information

**Background:** Platelet Glycoprotein 4 (CD36) is an integral membrane glycoprotein that has multiple physiological functions. It is broadly expressed on a variety of cell types including microvascular endothelium, adipocytes, skeletal muscle, epithelial cells of the retina, breast, and intestine, smooth muscle cells, erythroid precursors, platelets, megakaryocytes, dendritic cells, monocytes/macrophages, and microglia. As a member of the scavenger receptor family, CD36 is a multiligand pattern recognition receptor that interacts with a large number of structurally dissimilar ligands, including long chain fatty acid (LCFA), advanced glycation end products (AGE), thrombospondin-1, oxidized lowdensity lipoproteins (oxLDLs), high density lipoprotein (HDL), phosphatidylserine, apoptotic cells,  $\beta$  amyloid fibrils (fA $\beta$ ), collagens I and IV, and Plasmodium falciparum infected erythrocytes. CD36 is required for the antiangiogenic effects of thrombospondin-1 in the corneal neovascularization assay. It plays a role in lipid metabolism and has been identified as a fatty acid translocase necessary for the binding and transport of LCFA in cells and tissues.

**Protein Description:** High quality, high purity and low endotoxin recombinant Recombinant Human SR-B3/CD36 Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

**Endotoxin:** < 0.1 EU/µg of the protein by LAL method.

**Formulation:** Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

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**Storage:**

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.