

# CD36 Knockdown 293T Cell Lysate, Heterozygous

**Catalog No.:** RM02265

## Basic Information

**Catalog No.**

RM02265

**Category**

Cell Lysate

**Parental Cell line**

293T

**Genotype**

Knockdown

## Gene Information

**Gene Symbol**

CD36

**Species**

Human

**Gene ID**

948

**Swiss Prot**

P16671

**Synonyms**BDPLT10; CHDS7; FAT; GP3B; GP4; GPIV;  
PASIV; SCARB3

## Contact

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## Background

The protein encoded by this gene is the fourth major glycoprotein of the platelet surface and serves as a receptor for thrombospondin in platelets and various cell lines. Since thrombospondins are widely distributed proteins involved in a variety of adhesive processes, this protein may have important functions as a cell adhesion molecule. It binds to collagen, thrombospondin, anionic phospholipids and oxidized LDL. It directly mediates cytoadherence of Plasmodium falciparum parasitized erythrocytes and it binds long chain fatty acids and may function in the transport and/or as a regulator of fatty acid transport. Mutations in this gene cause platelet glycoprotein deficiency. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Feb 2014]

## Product Information

**Description**

CD36 Knockdown 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1:92bp deletion in exon2

Allele-2:92bp deletion in exon2

Mammalian cells such as human, rat and mouse cells are normally diploid with two alleles. Homozygote: both alleles were knocked out, mRNA has no signal, no expression of proteins. Heterozygote: only one allele was knocked out, the mRNA transcript levels was decreased compared to wild type, and the protein expression levels was also lower than that of the wild type.

**Packaging**

1 vial parental cell Lysate and 1 vial knockout cell Lysate

**Shipping Conditions**

4°C

**Amount**

50μL, 2μg/μL.

**Storage**

Lysate is stable for 12 months when stored at -20°C. Minimizing freeze-thaw cycles.

**Protocol**

To be used as WB control. Lysate is supplied in 1× SDS sample buffer (2% SDS, 60 mM Tris-HCl pH 6.8, 10% Glycerol, 0.02% Bromophenol blue, 60 mM beta-mercaptoethanol). Lysate should be boiled for 3 - 5 minutes before loading onto gel.

## Sequencing data

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WT ACCCAGGACGCTGA\*\*\*\*\*ATCTGGCTGTGGCA  
Mut ACCCAGGACGCTGA\*\*\*Deletion\*\*\*ATCTGGCTGTGGCA  
Allele-1: 92bp deletion in exon2

WT ACCCAGGACGCTGA\*\*\*\*\*ATCTGGCTGTGGCA  
Mut ACCCAGGACGCTGA\*\*\*Deletion\*\*\*ATCTGGCTGTGGCA  
Allele-2: 92bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and CD36 Knockdown (KD) 293T cells, using sanger sequencing.