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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

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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℃

Amount
50μL, 2μg/μL.

Storage
Store at -20℃

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

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.

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