

# CD63 Knockout 293T Cell Lysate, Homozygous

**Catalog No.: RM02188**

## Basic Information

**Catalog No.**

RM02188

**Category**

Cell Lysate

**Parental Cell line**

293T

**Genotype**

Knockout

## Gene Information

**Gene Symbol**

CD63

**Species**

Human

**Gene ID**

967

**Swiss Prot**

P08962

**Synonyms**LAMP-3; ME491; MLA1; OMA81H;  
TSPAN30

## Contact

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## Background

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. The encoded protein is a cell surface glycoprotein that is known to complex with integrins. It may function as a blood platelet activation marker. Deficiency of this protein is associated with Hermansky-Pudlak syndrome. Also this gene has been associated with tumor progression. Alternative splicing results in multiple transcript variants encoding different protein isoforms. [provided by RefSeq, Apr 2012]

## Product Information

**Description**

CD63 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1:77bp deletion in exon3

Allele-2:77bp deletion in exon3

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    ATCCCTCCATGTC\*\*\*\*\*ATAAGGAGGTAGGG  
Mut   ATCCCTCCATGTC\*\*\*Deletion\*\*\*ATAAGGAGGTAGGG  
Allele-1: 77bp deletion in exon3  
  
WT    ATCCCTCCATGTC\*\*\*\*\*ATAAGGAGGTAGGG  
Mut   ATCCCTCCATGTC\*\*\*Deletion\*\*\*ATAAGGAGGTAGGG  
Allele-2: 77bp deletion in exon3

Genome sequence analysis of PCR products from parental (WT) and CD63 knockout (KO) 293T cells, using sanger sequencing.