

# CYCS Knockout 293T Cell Lysate, Homozygous

**Catalog No.:** RM02064

## Basic Information

### Catalog No.

RM02064

### Category

Cell Lysate

### Parental Cell line

293T

### Genotype

Knockout

## Gene Information

### Gene Symbol

CYCS

### Species

Human

### Gene ID

54205

### Swiss Prot

P99999

### Synonyms

CYC; HCS; THC4

## Contact

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## Background

This gene encodes a small heme protein that functions as a central component of the electron transport chain in mitochondria. The encoded protein associates with the inner membrane of the mitochondrion where it accepts electrons from cytochrome b and transfers them to the cytochrome oxidase complex. This protein is also involved in initiation of apoptosis. Mutations in this gene are associated with autosomal dominant nonsyndromic thrombocytopenia. Numerous processed pseudogenes of this gene are found throughout the human genome.[provided by RefSeq, Jul 2010]

## Product Information

### Description

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

Allele-1:exon1 was deleted

Allele-2:exon1 was deleted

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 TGGATTGGTAATTA\*\*\*\*\*CTATCAGGAGTGTG  
Mut TGGATTGGTAATTA\*\*\*Deletion\*\*\*CTATCAGGAGTGTG  
Allele-1: exon1 was deleted

WT TGGATTGGTAATTA\*\*\*\*\*CTATCAGGAGTGTG  
Mut TGGATTGGTAATTA\*\*\*Deletion\*\*\*CTATCAGGAGTGTG  
Allele-2: exon1 was deleted

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