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CYCS Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02064

Basic Information

Catalog No.
RM02064

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

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]

Gene Information

Gene Symbol
CYCS

Species
Human

Gene ID
54205

Swiss Prot
P99999

Synonyms
CYC; HCS; THC4

Contact

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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℃

Amount
50μL, 2μg/μL.

Storage
Lysate is stable for 12 months when stored at -20℃. 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

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

WT     TGGATTGGTAATTA**************CTATCAGGAGTGTG
Mut    TGGATTGGTAATTA***Deletion***CTATCAGGAGTGTG
Allele-2：exon1 was deleted
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Genome sequence analysis of PCR products from parental (WT) and CYCS knockout (KO) 293T cells, using sanger sequencing.