

# PCIF1 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02349

### **Basic Information**

## Catalog No.

RM02349

## Category

Cell Lysate

### **Parental Cell line**

293T

### Genotype

Knockout

## **Gene Information**

## Gene Symbol

PCIF1

#### **Species**

Human

#### **Gene ID**

63935

### **Swiss Prot**

Q9H4Z3

#### **Synonyms**

C20orf67; PPP1R121

#### **Contact**

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## **Background**

## **Product Information**

#### Description

PCIF1 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**

**Amount** 50μL, 2μg/μL.

4°C

## 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  $1\times$  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 TTGTAATTGGCGGG\*\*\*\*\*\*\*\*\*\*\*\*\*AGTGGGGTGGTGGG
Mut TTGTAATTGGCGGG\*\*\*Deletion\*\*\*AGTGGGGTGGTGGG

Allele-1: exon1 was deleted

WT TTGTAATTGGCGGG\*\*\*\*\*\*\*\*\*AGTGGGGTGGTGGG Mut TTGTAATTGGCGGG\*\*\*Deletion\*\*\*AGTGGGGTGGTGGG

Allele-2: exon1 was deleted

Genome sequence analysis of PCR products from parental (WT) and PCIF1 knockout (KO) 293T cells, using sanger sequencing.