

# PPP2CA Knockout 293T Cell Lysate, Homozygous

**Catalog No.:** RM02264

## Basic Information

### Catalog No.

RM02264

### Category

Cell Lysate

### Parental Cell line

293T

### Genotype

Knockout

## Gene Information

### Gene Symbol

PPP2CA

### Species

Human

### Gene ID

5515

### Swiss Prot

P67775

### Synonyms

PP2Ac; PP2CA; PP2Calpha; RP-C

## Contact

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## Background

This gene encodes the phosphatase 2A catalytic subunit. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. This gene encodes an alpha isoform of the catalytic subunit. [provided by RefSeq, Jul 2008]

## Product Information

### Description

PPP2CA Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1:130bp deletion in exon2

Allele-2:130bp 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°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   AAAAGAATCCAACG\*\*\*\*\*CAGAGGATATTATT  
Mut   AAAAGAATCCAACG\*\*\*Deletion\*\*\*CAGAGGATATTATT  
Allele-1: 130bp deletion in exon2  
  
WT   AAAAGAATCCAACG\*\*\*\*\*CAGAGGATATTATT  
Mut   AAAAGAATCCAACG\*\*\*Deletion\*\*\*CAGAGGATATTATT  
Allele-2: 130bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and PPP2CA Knockout (KO) 293T cells, using sanger sequencing.