

# ARHGDIA Knockout 293T Cell Lysate, Homozygous

**Catalog No.:** RM02373

## Basic Information

### Catalog No.

RM02373

### Category

Cell Lysate

### Parental Cell line

293T

### Genotype

Knockout

## Gene Information

### Gene Symbol

ARHGDIA

### Species

Human

### Gene ID

396

### Swiss Prot

P52565

### Synonyms

GDIA1; HEL-S-47e; NPHS8; RHOGDI;  
RHOGDI-1

## Contact

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## Background

This gene encodes a protein that plays a key role in the regulation of signaling through Rho GTPases. The encoded protein inhibits the disassociation of Rho family members from GDP (guanine diphosphate), thereby maintaining these factors in an inactive state. Activity of this protein is important in a variety of cellular processes, and expression of this gene may be altered in tumors. Mutations in this gene have been found in individuals with nephrotic syndrome, type 8. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

## Product Information

### Description

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

Allele-1:91bp deletion in exon1

Allele-2:91bp deletion in exon1

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 TGCAGCGGAGAACG\*\*\*\*\*AAAGTACAAGGAGG  
Mut TGCAGCGGAGAACG\*\*\*Deletion\*\*\*AAAGTACAAGGAGG  
Allele-1: 91bp deletion in exon1  
WT TGCAGCGGAGAACG\*\*\*\*\*AAAGTACAAGGAGG  
Mut TGCAGCGGAGAACG\*\*\*Deletion\*\*\*AAAGTACAAGGAGG  
Allele-2: 91bp deletion in exon1

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