

# ATG13 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02478

## Basic Information

### Catalog No.

RM02478

### Category

Cell Lysate

### Parental Cell line

293T

### Genotype

Knockout

## Gene Information

### Gene Symbol

ATG13

### Species

Human

### Gene ID

9776

### Swiss Prot

O75143

### Synonyms

KIAA0652; PARATARG8

## Contact

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## Background

The protein encoded by this gene is an autophagy factor and a target of the TOR kinase signaling pathway. The encoded protein is essential for autophagosome formation and mitophagy. [provided by RefSeq, Oct 2016]

## Product Information

### Description

ATG13 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1:335bp deletion in exon1

Allele-2:335bp 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 CATGATTATTCCTA\*\*\*\*\*TATTGGGGGTGTAG  
Mut CATGATTATTCCTA\*\*\*Deletion\*\*\*TATTGGGGGTGTAG  
Allele-1: 335bp deletion in exon1  
WT CATGATTATTCCTA\*\*\*\*\*TATTGGGGGTGTAG  
Mut CATGATTATTCCTA\*\*\*Deletion\*\*\*TATTGGGGGTGTAG  
Allele-2: 335bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and ATG13 knockout (KO) 293T cells, using sanger sequencing.