

ATG13 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02478

Basic Information

Catalog No.

RM02478

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockout

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]

Gene Information

Gene Symbol

ATG13

Species

Human

Gene ID

9776

Swiss Prot

075143

Synonyms

KIAA0652; PARATARG8

Contact

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|-----------|---------------------------|
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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

 ${\bf 1}$ vial parental cell Lysate and ${\bf 1}$ vial knockout cell Lysate

 $\begin{array}{ll} \textbf{Shipping Conditions} & \textbf{Amount} \\ 4^{\circ} C & 50 \mu L, 2 \mu g/\mu L. \end{array}$

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

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.