

# TULP2 Knockout NIH/3T3 Cell Lysate, Homozygous

Catalog No.: RM02337

#### **Basic Information**

#### Catalog No.

RM02337

### Category

Cell Lysate

#### **Parental Cell line**

NIH/3T3

#### Genotype

Knockout

## **Gene Information**

#### **Gene Symbol**

TULP2

#### **Species**

Mouse

#### **Gene ID**

56734

## **Synonyms**

Pdet

## Contact

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## **Background**

## **Product Information**

#### Description

TULP2 Knockout NIH/3T3 Cell Line is engineered from NIH/3T3 cell line with Gene-Editing technology.

Allele-1:98bp deletion in exon2

Allele-2:98bp 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**

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

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

## Storage

Lysate is stable for 12 months when stored at -20°C. Minimizing freeze-thaw cycles.

#### Protoco

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 CAACGGCCCTGCGG\*\*\*\*\*\*\*\*\*\*\*\*\*AATCTGGCAAACCT
Mut CAACGGCCCTGCGG\*\*\*Deletion\*\*\*AATCTGGCAAACCT
Allele-1: 98bp deletion in exon2

WT CAACGGCCCTGCGG\*\*\*\*\*\*\*\*\*\*\*AATCTGGCAAACCT
Mut CAACGGCCCTGCGG\*\*\*Deletion\*\*\*AATCTGGCAAACCT

Allele-2: 98bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and TULP2 knockout (KO) NIH3T3 cells, using sanger sequencing.