

# TUB Knockout NIH/3T3 Cell Lysate, Homozygous

Catalog No.: RM02343

## Basic Information

### Catalog No.

RM02343

### Category

Cell Lysate

### Parental Cell line

NIH/3T3

### Genotype

Knockout

## Gene Information

### Gene Symbol

TUB

### Species

Mouse

### Gene ID

22141

### Synonyms

rd5; tub

## Contact

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## Background

## Product Information

### Description

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

Allele-1:37bp deletion in exon3

Allele-2:37bp deletion in exon3

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 CGCCAAGAGCCCTT\*\*\*\*\*CGGCGAGCCCGGCA  
Mut CGCCAAGAGCCCTT\*\*\*Deletion\*\*\*CGGCGAGCCCGGCA  
Allele-1: 37bp deletion in exon3  
WT CGCCAAGAGCCCTT\*\*\*\*\*CGGCGAGCCCGGCA  
Mut CGCCAAGAGCCCTT\*\*\*Deletion\*\*\*CGGCGAGCCCGGCA  
Allele-2: 37bp deletion in exon3

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