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# RMND1 Knockout NIH/3T3 Cell Lysate, Homozygous

**Catalog No.: RM02607**

## Basic Information

**Catalog No.**
RM02607

**Category**
Cell Lysate

**Parental Cell line**
NIH/3T3

**Genotype**
Knockout

## Background

## Gene Information

**Gene Symbol**
RMND1

**Species**
Mouse

**Gene ID**
66084

**Synonyms**
0610042C05Rik; AA408137; AI462664; AW536662

## Contact


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## Product Information

**Description**
RMND1 Knockout NIH/3T3 Cell Line is engineered from NIH/3T3 cell line with Gene-Editing technology.
Allele-1:200bp insertion and 198bp deletion in exon2
Allele-2:exon2 was deleted
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℃

**Amount**
50μL, 2μg/μL.

**Storage**
Lysate is stable for 12 months when stored at -20℃. 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

```
WT    GAGCCCTTCGCT*****************GATGACGTTTCT
Mut   GAGCCCTTCGCT*insertion*deletion*GATGACGTTTCT
AIlele-1:    200bp insertion and 198bp deletion in exon2

WT    GCTTGAGCCCTTCG*************ATGACGTTTCTGGT
Mut   GCTTGAGCCCTTCG***Deletion***ATGACGTTTCTGGT
AIlele-2:    exon2 was deleted
```

Genome sequence analysis of PCR products from parental (WT) and RMND1 knockout (KO) NIH3T3 cells, using sanger sequencing.



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