

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

Gene Information

Gene Symbol

RMND1

Species

Mouse

Gene ID

66084

Synonyms

0610042C05Rik; AA408137; AI462664;
AW536662

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Background

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°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

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

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

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