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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

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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

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

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