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TMEM65 Knockdown NIH/3T3 Cell Lysate, Heterozygous

Catalog No.: RM02345

Basic Information

Catalog No.
RM02345

Category
Cell Lysate

Parental Cell line
NIH/3T3

Genotype
Knockdown

Gene Information

Gene Symbol
TMEM65

Species
Mouse

Gene ID
74868

Synonyms
2610029O13Rik; 4930438D12Rik

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Background

Product Information

Description
TMEM65 Knockdown NIH/3T3 Cell Line is engineered from NIH/3T3 cell line with Gene-Editing technology.
Allele-1:97bp deletion in exon1
Allele-2:WT
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   CGCTGAACACGGCG**********GTGGGGCCGCCTGG
Mut  CGCTGAACACGGCG***Deletion***GTGGGGCCGCCTGG
Allele-1:   97bp deletion in exon1

WT   CGCTGAACACGGCG**********GTGGGGCCGCCTGG
Mut  CGCTGAACACGGCG**********GTGGGGCCGCCTGG
Allele-2:   WT
```

Genome sequence analysis of PCR products from parental (WT) and TMEM65 knockdown (KD) NIH3T3 cells, using sanger sequencing.