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CDKL1 Knockout NIH/3T3 Cell Lysate, Homozygous

Catalog No.: RM02316

Basic Information

Catalog No.
RM02316

Category
Cell Lysate

Parental Cell line
NIH/3T3

Genotype
Knockout

Gene Information

Gene Symbol
CDKL1

Species
Mouse

Gene ID
71091

Synonyms
4933411O17Rik

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Background

Product Information

Description
CDKL1 Knockout NIH/3T3 Cell Line is engineered from NIH/3T3 cell line with Gene-Editing technology.
Allele-1:64bp deletion in exon1
Allele-2:64bp deletion in exon1
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
Store at -20℃

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     GGACACGGGTCAGA**************AGAAATCCGCATGC
Mut    GGACACGGGTCAGA***Deletion***AGAAATCCGCATGC
Allele-1：64bp deletion in exon1

WT     GGACACGGGTCAGA**************AGAAATCCGCATGC
Mut    GGACACGGGTCAGA***Deletion***AGAAATCCGCATGC
Allele-2：64bp deletion in exon1
```

Genome sequence analysis of PCR products from parental (WT) and CDKL1 knockout (KO) NIH3T3 cells, using sanger sequencing.

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