

CDKL4 Knockout NIH/3T3 Cell Lysate, Homozygous

Catalog No.: RM02317

Basic Information

Catalog No.

RM02317

Category

Cell Lysate

Parental Cell line

NIH/3T3

Genotype

Knockout

Gene Information

Gene Symbol

CDKL4

Species

Mouse

Gene ID

381113

Synonyms

AU067824; Gm942

Contact

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Background

Product Information

Description

CDKL4 Knockout NIH/3T3 Cell Line is engineered from NIH/3T3 cell line with Gene-Editing technology.

Allele-1:61bp deletion in exon3

Allele-2:2bp deletion in exon3

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 AGTTGAAACACCCA*****CCCAAACGGGTAAG
Mut AGTTGAAACACCCA***Deletion***CCCAAACGGGTAAG
Allele-1: 61bp deletion in exon3

WT CCCAAACCTCGTGA*****GTAAACGAGCTGG
Mut CCCAAAC-TCGTGA*****GTAAAC-AGCTGG
Allele-2: 2bp deletion in exon3

Genome sequence analysis of PCR products from parental (WT) and CDKL4 knockout (KO) NIH3T3 cells, using sanger sequencing.