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CTPS2 Knockout NIH/3T3 Cell Lysate, Homozygous

Catalog No.: RM02332

Basic Information

Catalog No.
RM02332

Category
Cell Lysate

Parental Cell line
NIH/3T3

Genotype
Knockout

Background

Gene Information

Gene Symbol
CTPS2

Species
Mouse

Gene ID
55936

Synonyms
A830031M15Rik; AI326475; Ctpsh

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Product Information

Description
CTPS2 Knockout NIH/3T3 Cell Line is engineered from NIH/3T3 cell line with Gene-Editing technology.
Allele-1:62bp deletion in exon1
Allele-2:62bp 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
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    GATTATCGCCAGCA**************ATTAACATCGATGC
Mut   GATTATCGCCAGCA***Deletion***ATTAACATCGATGC
Allele-1：62bp deletion in exon1

WT    GATTATCGCCAGCA**************ATTAACATCGATGC
Mut   GATTATCGCCAGCA***Deletion***ATTAACATCGATGC
Allele-2：62bp deletion in exon1
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Genome sequence analysis of PCR products from parental (WT) and CTPS2 knockout (KO) NIH3T3 cells, using sanger sequencing.