

NDRG2 Knockout MA1800 Cell Lysate, Homozygous

Catalog No.: RM02284

Basic Information

Catalog No.

RM02284

Category

Cell Lysate

Parental Cell line

MA1800

Genotype

Knockout

Gene Information

Gene Symbol

NDRG2

Species

Mouse

Gene ID

29811

Synonyms

AI182517; AU040374; Ndr2; SYLD

Contact

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Background

Product Information

Description

NDRG2 Knockout MA1800 Cell Line is engineered from MA1800 cell line with Gene-Editing technology.

Allele-1:1bp deletion in exon2

Allele-2:1bp deletion in exon2

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 TCTGTGGAGACACCTTATGGCTCGGTCACTTTACTGTG
Mut TCTGTGGAGACACCTTATG -CTCGGTCACTTTACTGTG
Allele-1: 1bp deletion in exon2
WT CCAAACCAAACGCCGGCGATATTACCTACCATGATG
Mut CCAAACCAAACGCCGGC -ATATTACCTACCATGATG
Allele-2: 1bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and NDRG2 knockout (KO) MA1800 cells, using sanger sequencing.