

SLC38A2 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02798

Basic Information

Catalog No.

RM02798

Category

Cell Lysate

Parental Cell line

HeLa

Genotype

Knockout

Gene Information

Gene Symbol

SLC38A2

Species

Human

Gene ID

54407

Swiss Prot

Q96QD8

Synonyms

ATA2; SAT2; SNAT2; PRO1068

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Background

Enables neutral amino acid:sodium symporter activity. Involved in several processes, including amino acid transport; cellular response to arsenite(3-); and positive regulation of RNA splicing. Located in cytoplasm and plasma membrane.

Product Information

Description

SLC38A2 Knockout cell line is engineered from HeLa cell line with Gene-Editing Technology.
Allele-1:79bp deletion in exon4
Allele-2:79bp deletion in exon4
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 TTTTCCTCCAGCTA*****GTAAGGTACTCAT
Mut TTTTCCTCCAGCTA***Deletion***GTAAGGTACTCAT
Allele-1: 79bp deletion in exon4

Genome sequence analysis of PCR products from parental (WT) and SLC38A2 knockout (KO) HeLa cells, using sanger sequencing.

WT TTTTCCTCCAGCTA*****GTAAGGTACTCAT
Mut TTTTCCTCCAGCTA***Deletion***GTAAGGTACTCAT
Allele-2: 79bp deletion in exon4