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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℃

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

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WT    TTTTCCTCCAGCTA**********GTAAGGTTACTCAT
Mut   TTTTCCTCCAGCTA***Deletion***GTAAGGTTACTCAT
Allele-1:   79bp deletion in exon4

WT    TTTTCCTCCAGCTA**********GTAAGGTTACTCAT
Mut   TTTTCCTCCAGCTA***Deletion***GTAAGGTTACTCAT
Allele-2:   79bp deletion in exon4
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Genome sequence analysis of PCR products from parental (WT) and SLC38A2 knockout (KO) HeLa cells, using sanger sequencing.