

SLC38A8 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM50104

Basic Information

Catalog No.

RM50104

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockout

Background

This gene encodes a putative sodium-dependent amino-acid/proton antiporter. The protein has eleven transmembrane domains, an extracellular N-terminus and an intracellular C-terminal tail. The protein is a member of the SLC38 sodium-coupled neutral amino acid transporter family of proteins. Mutations in this gene result in foveal hypoplasia with or without optic nerve misrouting and/or anterior segment dysgenesis.

Gene Information

Gene Symbol

SLC38A8

Species

Human

Gene ID

146167

Swiss Prot

A6NNN8

Synonyms

FVH2; FHASD; SNAT8

Contact

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Product Information

Description

SLC38A8 Knockout cell line is engineered from 293T cell line with Gene-Editing Technology. Allele-1:158bp deletion in exon1

Allele-2:158bp 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 ConditionsAmount $4^{\circ}C$ 50μ L, 2μ g/ μ L.

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 $1\times$ 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 GTCTTCCTGAT**********************CGGGACCAGC Mut GTCTTCCTGAT**Deletion(158bp)**TCGGGGACCAGC Allele-2: 158 bp deletion in exon1 Genome sequence analysis of PCR products from parental (WT) and SLC38A8 knockout (KO) 293T cells, using sanger sequencing.