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SLC38A8 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM50104

Basic Information

Catalog No.
RM50104

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Gene Information

Gene Symbol
SLC38A8

Species
Human

Gene ID
146167

Swiss Prot
A6NNN8

Synonyms
FVH2; FHASD; SNAT8

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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.

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 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

WT GTCTTCCTGAT**********TCGGGGACCAGC
Mut GTCTTCCTGAT**Deletion(158bp)**TCGGGGACCAGC
Allele-1: 158 bp deletion in exon1

WT GTCTTCCTGAT**********TCGGGGACCAGC
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.