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SLC22A8 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02294

Basic Information

Catalog No.
RM02294

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Gene Information

Gene Symbol
SLC22A8

Species
Human

Gene ID
9376

Swiss Prot
Q8TCC7

Synonyms
OAT3

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Background

This gene encodes a protein involved in the sodium-independent transport and excretion of organic anions, some of which are potentially toxic. The encoded protein is an integral membrane protein and appears to be localized to the basolateral membrane of the kidney. Multiple alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq, May 2010]

Product Information

Description
SLC22A8 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:35bp deletion in exon2
Allele-2:35bp 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℃

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

WT GCTGGCAGCCAGCG**********TACATGGTCTTCCG
Mut GCTGGCAGCCAGCG***Deletion***TACATGGTCTTCCG
Allele-1: 35bp deletion in exon2

WT GCTGGCAGCCAGCG**********TACATGGTCTTCCG
Mut GCTGGCAGCCAGCG***Deletion***TACATGGTCTTCCG
Allele-2: 35bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and SLC22A8 knockout (KO) 293T cells, using sanger sequencing.

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