

SLC25A4 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02293

Basic Information

Catalog No.

RM02293

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockout

Gene Information

Gene Symbol

SLC25A4

Species

Human

Gene ID

291

Swiss Prot

P12235

Synonyms

AAC1; ANT; ANT 1; ANT1; MTDP512; MTDP512A; PEO2; PEO3; PEOA2; T1

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Background

This gene is a member of the mitochondrial carrier subfamily of solute carrier protein genes. The product of this gene functions as a gated pore that translocates ADP from the cytoplasm into the mitochondrial matrix and ATP from the mitochondrial matrix into the cytoplasm. The protein forms a homodimer embedded in the inner mitochondria membrane. Mutations in this gene have been shown to result in autosomal dominant progressive external ophthalmoplegia and familial hypertrophic cardiomyopathy. [provided by RefSeq, Jun 2013]

Product Information

Description

SLC25A4 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1:124bp deletion in exon2

Allele-2:124bp 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°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 TAACCTGGCCAACG*****CGGTGGGGCCGCTG
Mut TAACCTGGCCAACG***Deletion***CGGTGGGGCCGCTG
Allele-1: 124bp deletion in exon2

WT TAACCTGGCCAACG*****CGGTGGGGCCGCTG
Mut TAACCTGGCCAACG***Deletion***CGGTGGGGCCGCTG
Allele-2: 124bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and SLC25A4 knockout (KO) 293T cells, using sanger sequencing.