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MCU Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02312

Basic Information

Catalog No.
RM02312

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

This gene encodes a calcium transporter that localizes to the mitochondrial inner membrane. The encoded protein interacts with mitochondrial calcium uptake 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]

Gene Information

Gene Symbol
MCU

Species
Human

Gene ID
90550

Swiss Prot
Q8NE86

Synonyms
C10orf42; CCDC109A; HsMCU

Product Information

Description
MCU Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:12bp deletion and 8bp deletion in exon3
Allele-2:12bp deletion and 8bp deletion in exon3
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.

Contact

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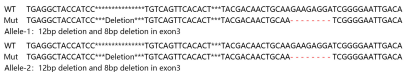
Sequencing data



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