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FLOT1 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02472

Basic Information

Catalog No.
RM02472

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

This gene encodes an protein that localizes to the caveolae, which are small domains on the inner cell membranes. This protein plays a role in vesicle trafficking and cell morphology. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Gene Information

Gene Symbol
FLOT1

Species
Human

Gene ID
10211

Swiss Prot
O75955

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Product Information

Description
FLOT1 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:62bp deletion in exon4
Allele-2:119bp deletion in exon4
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 GGCGGCCGCCTGTC**********CACCAGAGGGCCAT
Mut GGCGGCCGCCTGTC***Deletion***CACCAGAGGGCCAT
Allele-1: 62bp deletion in exon4

WT ACAGGTAAAAATCC**********CACATGACTGTGGA
Mut ACAGGTAAAAATCC***Deletion***CACATGACTGTGGA
Allele-2: 119bp deletion in exon4

Genome sequence analysis of PCR products from parental (WT) and FLOT1 knockout (KO) 293T cells, using sanger sequencing.