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FLOT1 Knockdown 293T cell line, Heterozygous

Catalog No.: RM50173

Basic Information

Catalog No.
RM50173

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockdown

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.

Gene Information

Gene Symbol
FLOT1

Species
Human

Gene ID
10211

Swiss Prot
O75955

Synonyms
FLOT1; 1

Product Information

Description
FLOT1 Knockdown cell line is engineered from 293T cell line with Gene-Editing Technology.
Allele-1:63bp deletion in exon4
Allele-2:64bp 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 line and 1 vial knockout cell line

Shipping Conditions
Dry ice

Amount
1~5x10^6 cells/vial.

Storage
Store at -20℃

Protocol
Upon arrival, it should be maintained in DMEM medium with 10%(v/v) fetal bovine serum and 100U penicillin-streptomycin, at 37℃ with 5% CO_2 condition.
1. Thaw the vial in 37℃ water bath ,and shake it to melt as soon as possible.
2. Transfer the cell suspension to a 15mL conical tube with pre-warmed 5mL complete medium and centrifuge 1000rpm for approximately 5 minutes at room temperature.
3. Remove and discard the supernatant.
4. Resuspend the cell pellet with 1mL pre-warmed complete medium and seed in 10cm dish.
5. Add 8-10mL of complete medium.
6. Incubate the culture at 37℃ incubator with 5% CO_2.
7. A subcultivation ratio of 1:2-1:4 is recommended.

Contact

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Sequencing data

```
WT    GCGGCCGCCTGTCA**********CCAGAGGGCCATCA
Mut   GCGGCCGCCTGTCA***Deletion***CCAGAGGGCCATCA
Allele-1:   63bp deletion in exon4

WT    GCGGCCGCCTGTCA**********CAGAGGGCCATCAT
Mut   GCGGCCGCCTGTCA***Deletion***CAGAGGGCCATCAT
Allele-2:   64bp deletion in exon4
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Genome sequence analysis of PCR products from parental (WT) and FLOT1 knockdown (KD) 293T cells, using sanger sequencing.

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