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FLOT1 Knockdown 293T cell lysate, Heterozygous

Catalog No.: RM50181

Basic Information

Catalog No.
RM50181

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockdown

Gene Information

Gene Symbol
FLOT1

Species
Human

Gene ID
10211

Swiss Prot
O75955

Synonyms
FLOT1; 1

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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.

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 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    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
```

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

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