

# 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

## Contact

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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°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

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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.