

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°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

WT GCGGCCGCTGCA*****CCAGAGGCCATCA
Mut GCGGCCGCTGCA***Deletion***CCAGAGGCCATCA
Allele-1: 63bp deletion in exon4

WT GCGGCCGCTGCA*****CAGAGGCCATCAT
Mut GCGGCCGCTGCA***Deletion***CAGAGGCCATCAT
Allele-2: 64bp deletion in exon4

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