

# FZD5 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM50030

## Basic Information

### Catalog No.

RM50030

### Category

Cell Lysate

### Parental Cell line

293T

### Genotype

Knockout

## Gene Information

### Gene Symbol

FZD5

### Species

Human

### Gene ID

7855

### Swiss Prot

Q13467

### Synonyms

HFZ5; C2orf31; FZD5

## Contact

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## Background

Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The FZD5 protein is believed to be the receptor for the Wnt5A ligand.

## Product Information

### Description

FZD5 Knockout cell line is engineered from 293T cell line with Gene-Editing Technology.

Allele-1:113bp deletion in exon1

Allele-2:112bp deletion in exon1

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 ACGGTGCCCATGTG\*\*\*\*\*CGCCGGACCTGCG  
Mut ACGGTGCCCATGTG\*\*\*Deletion\*\*\*CGCCGGACCTGCG  
Allele-1: 113bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and FZD5 knockout (KO) 293T cells, using sanger sequencing.

WT ACGGTGCCCATGTG\*\*\*\*\*TCGCCGGACCTGC  
Mut ACGGTGCCCATGTG\*\*\*Deletion\*\*\*TCGCCGGACCTGC  
Allele-2: 112bp deletion in exon1