

# LRP6 Knockdown 293T Cell Lysate, Heterozygous

**Catalog No.:** RM02564

## Basic Information

**Catalog No.**

RM02564

**Category**

Cell Lysate

**Parental Cell line**

293T

**Genotype**

Knockdown

## Gene Information

**Gene Symbol**

LRP6

**Species**

Human

**Gene ID**

4040

**Swiss Prot**

O75581

**Synonyms**

ADCAD2; STHAG7

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Background

This gene encodes a member of the low density lipoprotein (LDL) receptor gene family. LDL receptors are transmembrane cell surface proteins involved in receptor-mediated endocytosis of lipoprotein and protein ligands. The protein encoded by this gene functions as a receptor or, with Frizzled, a co-receptor for Wnt and thereby transmits the canonical Wnt/beta-catenin signaling cascade. Through its interaction with the Wnt/beta-catenin signaling cascade this gene plays a role in the regulation of cell differentiation, proliferation, and migration and the development of many cancer types. This protein undergoes gamma-secretase dependent RIP- (regulated intramembrane proteolysis) processing but the precise locations of the cleavage sites have not been determined.[provided by RefSeq, Dec 2009]

## Product Information

**Description**

LRP6 Knockdown 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1:201bp deletion in exon2

Allele-2:199bp deletion in exon2

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 AGACGGGACTTGCG\*\*\*\*\*GCTGGCATGTGATT  
Mut AGACGGGACTTGCG\*\*\*Deletion\*\*\*GCTGGCATGTGATT  
Allele-1: 201bp deletion in exon2

WT CAGACGGGACTTGCG\*\*\*\*\*TGGGCTGGCATGTG  
Mut CAGACGGGACTTGCG\*\*\*Deletion\*\*\*TGGGCTGGCATGTG  
Allele-2: 199bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and LRP6 Knockdown (KD) 293T cells, using sanger sequencing.