

# DCTN4 Knockdown HeLa Cell Lysate, Heterozygous

Catalog No.: RM50042

## Basic Information

**Catalog No.**  
RM50042

**Category**  
Cell Lysate

**Parental Cell line**  
HeLa

**Genotype**  
Knockdown

## Gene Information

**Gene Symbol**  
DCTN4

**Species**  
Human

**Gene ID**  
51164

**Swiss Prot**  
Q9UJW0

**Synonyms**  
P62; DYN4

## 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

Enables protein N-terminus binding activity. Located in centrosome. [provided by Alliance of Genome Resources, Apr 2022]

## Product Information

### Description

DCTN4 Knockdown HeLa cell line is engineered from HeLa cell line with Gene-Editing Technology.

Allele-1:6bp deletion in exon3

Allele-2:166bp deletion in exon3

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 CGCTGGACGTCT\*\*\*\*\*GTGGGCATGGCA  
Mut CGCTGGACGTCT\*\*Deletion\*\*GTGGGCATGGCA  
Allele-1: 6bp deletion in exon3

Genome sequence analysis of PCR products from parental (WT) and DCTN4 knockdown (KD) HeLa cells, using sanger sequencing.

WT TTGTCATGCACAG\*\*\*\*\*GACAAATCTGATAGG  
Mut TTGTCATGCACAG\*\*\*Deletion\*\*\*GACAAATCTGATAGG  
Allele-2: 166bp deletion in exon3