

# ZEB1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02266

## Basic Information

### Catalog No.

RM02266

### Category

Cell Lysate

### Parental Cell line

HeLa

### Genotype

Knockout

## Gene Information

### Gene Symbol

ZEB1

### Species

Human

### Gene ID

6935

### Swiss Prot

P37275

### Synonyms

AREB6; BZP; DELTAEF1; FECD6; NIL2A;  
PPCD3; TCF8; ZFHEP; ZFHX1A

## Contact

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## Background

This gene encodes a zinc finger transcription factor. The encoded protein likely plays a role in transcriptional repression of interleukin 2. Mutations in this gene have been associated with posterior polymorphous corneal dystrophy-3 and late-onset Fuchs endothelial corneal dystrophy. Alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Mar 2010]

## Product Information

### Description

ZEB1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:64bp deletion in exon6

Allele-2:64bp deletion in exon6

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 AATGGGCGACCAAG\*\*\*\*\*CGACCACAGATACG  
Mut AATGGGCGACCAAG\*\*\*Deletion\*\*\*CGACCACAGATACG  
Allele-1: 64bp deletion in exon6  
WT AATGGGCGACCAAG\*\*\*\*\*CGACCACAGATACG  
Mut AATGGGCGACCAAG\*\*\*Deletion\*\*\*CGACCACAGATACG  
Allele-2: 64bp deletion in exon6

Genome sequence analysis of PCR products from parental (WT) and ZEB1 Knockout (KO) HeLa cells, using sanger sequencing.