

# TBXT Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02549

## Basic Information

### Catalog No.

RM02549

### Category

Cell Lysate

### Parental Cell line

HeLa

### Genotype

Knockout

## Gene Information

### Gene Symbol

TBXT

### Species

Human

### Gene ID

6862


### Swiss Prot

O15178

### Synonyms

SAVA; TFT

## Contact

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## Background

The protein encoded by this gene is an embryonic nuclear transcription factor that binds to a specific DNA element, the palindromic T-site. It binds through a region in its N-terminus, called the T-box, and effects transcription of genes required for mesoderm formation and differentiation. The protein is localized to notochord-derived cells. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2012]

## Product Information

### Description

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

Allele-1:85bp deletion in exon2; Allele-2:85bp 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

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WT CGGCGGACAACCAC\*\*\*\*\*CGCCCAACTTCGGG  
Mut CGGCGGACAACCAC\*\*\*Deletion\*\*\*CGCCCAACTTCGGG  
Allele-1: 85bp deletion in exon2

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

WT CGGCGGACAACCAC\*\*\*\*\*CGCCCAACTTCGGG  
Mut CGGCGGACAACCAC\*\*\*Deletion\*\*\*CGCCCAACTTCGGG  
Allele-2: 85bp deletion in exon2