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TBXT Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02549

Basic Information

Catalog No.
RM02549

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

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]

Gene Information

Gene Symbol
TBXT

Species
Human

Gene ID
6862

Swiss Prot
O15178

Synonyms
SAVA; TFT

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℃

Amount
50μL, 2μg/μL.

Storage
Store at -20℃

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.

Contact

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Sequencing data

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

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

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

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