

# TSC22D3 Knockout 293T Cell Lysate, Homozygous

**Catalog No.:** RM50025

## Basic Information

**Catalog No.**

RM50025

**Category**

Cell Lysate

**Parental Cell line**

293T

**Genotype**

Knockout

## Gene Information

**Gene Symbol**

TSC22D3

**Species**

Human

**Gene ID**

1831

**Swiss Prot**

Q99576

**Synonyms**

DIP; GILZ; DSIPI; TSC-22R; TSC22D3

## 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 the anti-inflammatory protein glucocorticoid (GC)-induced leucine zipper. Expression of this gene stimulated by glucocorticoids and interleukin 10 and it appears to play a key role in the anti-inflammatory and immunosuppressive effects of this steroid. This protein has also been shown to inhibit pro-inflammatory molecules including nuclear factor κB. Alternate splicing results in multiple transcript variants.

## Product Information

**Description**

TSC22D3 Knockout cell line is engineered from 293T cell line with Gene-Editing Technology.

Allele-1:exon2 was deleted

Allele-2:exon2 was deleted

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 ACTGCCATGTACTC\*\*\*\*\*GCACTGGAGGTGGA  
Mut ACTGCCATGTACTC\*\*\*Deletion\*\*\*GCACTGGAGGTGGA  
Allele-1: exon2 was deleted

WT ACTGCCATGTACTC\*\*\*\*\*GCACTGGAGGTGGA  
Mut ACTGCCATGTACTC\*\*\*Deletion\*\*\*GCACTGGAGGTGGA  
Allele-2: exon2 was deleted

Genome sequence analysis of PCR products from parental (WT) and TSC22D3 knockout (KO) 293T cells, using sanger sequencing.