

# OCT2 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02790

## Basic Information

### Catalog No.

RM02790

### Category

Cell Lysate

### Parental Cell line

293T

### Genotype

Knockout

## Gene Information

### Gene Symbol

OCT2

### Species

Human

### Gene ID

5452

### Swiss Prot

P09086

### Synonyms

POU2F2; OTF2; Oct-2

## 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

The protein encoded by this gene is a homeobox-containing transcription factor of the POU domain family. The encoded protein binds the octamer sequence 5'-ATTGTCAT-3', a common transcription factor binding site in immunoglobulin gene promoters. Several transcript variants encoding different isoforms have been found for this gene.

## Product Information

### Description

OCT2 Knockout cell line is engineered from 293T cell line with Gene-Editing Technology.

Allele-1:exon1 was deleted

Allele-2:exon1 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 CTGAGTGA~~CTTCG~~\*\*\*\*\*GTCCCCGCTAACCC  
Mut CTGAGTGA~~CTTCG~~\*\*\*Deletion\*\*\*GTCCCCGCTAACCC  
Allele-1: exon1 was deleted

WT CTGAGTGA~~CTTCG~~\*\*\*\*\*CCGGGTCCCCGCTA  
Mut CTGAGTGA~~CTTCG~~\*\*\*Deletion\*\*\*CCGGGTCCCCGCTA  
Allele-2: exon1 was deleted

Genome sequence analysis of PCR products from parental (WT) and OCT2 knockout (KO) 293T cells, using sanger sequencing.