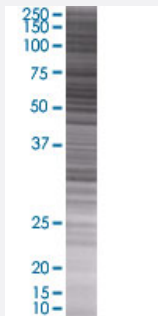


# OXCT1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005019-T01

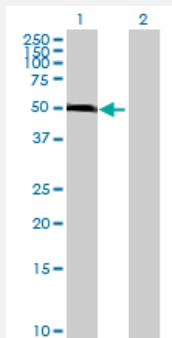
Size 100 uL

## Applications



### SDS-PAGE Gel

OXCT1 transfected lysate.



### Western Blot

Lane 1: OXCT1 transfected lysate ( 57.31 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-OXCT1 full-length
Host	Human
Theoretical MW (kDa)	57.31
Interspecies Antigen Sequence	Mouse (92); Rat (92)

## Quality Control Testing

Transient overexpression cell lysate was tested with Anti-OXCT1 antibody ([H00005019-B01](#)) by Western Blots.  
 SDS-PAGE Gel  
 OXCT1 transfected lysate.  
 Western Blot  
 Lane 1: OXCT1 transfected lysate ( 57.31 KDa)  
 Lane 2: Non-transfected lysate.

## Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

## Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — OXCT1

### Entrez GeneID

[5019](#)

### GeneBank Accession#

[NM\\_000436.3](#)

### Protein Accession#

[NP\\_000427.1](#)

### Gene Name

OXCT1

### Gene Alias

OXCT, SCOT

### Gene Description

3-oxoacid CoA transferase 1

### Omim ID

[245050 601424](#)

### Gene Ontology

[Hyperlink](#)

### Gene Summary

This gene encodes a member of the 3-oxoacid CoA-transferase gene family. The encoded protein is a homodimeric mitochondrial matrix enzyme that plays a central role in extrahepatic ketone body catabolism by catalyzing the reversible transfer of coenzyme A from succinyl-CoA to acetoacetate. Mutations in this gene are associated with succinyl CoA:3-oxoacid CoA transferase deficiency. [provided by RefSeq]

### Other Designations

succinyl CoA:3-oxoacid CoA transferase|succinyl-CoA:3-ketoacid-CoA transferase

## Pathway

- [Butanoate metabolism](#)
- [Synthesis and degradation of ketone bodies](#)
- [Valine](#)