

## Recombinant Human OXCT1 Protein, His-tagged

Cat. No. OXCT1-769H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human OXCT1(Thr40~Leu489) fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Thr40~Leu489
<b>Description</b>	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.
<b>Form</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Molecular Mass</b>	52.4kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	> 96%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.

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**Stability** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage** Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Reconstitution** Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name** [OXCT1 3-oxoacid CoA transferase 1 \[ Homo sapiens \]](#)

**Official Symbol** [OXCT1](#)

**Synonyms** OXCT1; 3-oxoacid CoA transferase 1; 3 oxoacid CoA transferase , OXCT; succinyl-CoA:3-ketoacid-coenzyme A transferase 1, mitochondrial; SCOT; SCOT-s; 3-oxoacid-CoA transferase 1; succinyl CoA:3-oxoacid CoA transferase; succinyl-CoA:3-ketoacid-CoA transferase; somatic-type succinyl CoA:3-oxoacid CoA-transferase; somatic-type succinyl-CoA:3-oxoacid-CoA-transferase; OXCT;

**Gene ID** [5019](#)

**mRNA Refseq** [NM\\_000436](#)

**Protein Refseq** [NP\\_000427](#)

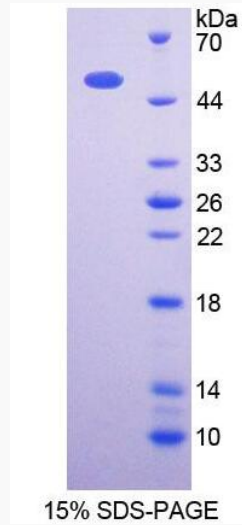
**MIM** [601424](#)

**UniProt ID** [P55809](#)

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