

Recombinant Human OXCT1 293 Cell Lysate

Cat. No. OXCT1-3508HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for 3-oxoacid CoA transferase 1 (OXCT1), nuclear gene encoding mitochondrial protein is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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](#)

Chromosome Location 5p13

Pathway Butanoate metabolism, organism-specific biosystem; Butanoate metabolism, conserved biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Ketone body metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins,

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organism-specific biosystem; Synthesis and Degradation of Ketone Bodies,
organism-specific biosystem;

Function

3-oxoacid CoA-transferase activity; 3-oxoacid CoA-transferase activity; protein
homodimerization activity; transferase activity;

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