

Recombinant Human OXCT1

OXCT1-30531TH Human

Lot. No. (See product label)

Specification

Product Overview	Recombinant fragment of Human OXCT1 with a N terminal proprietary tag: predicted molecular weight 31.57 kDa.
Description	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.
Molecular Weight	31.570kDa inclusive of tags
Source	Wheat germ
Tissue specificity	Abundant in heart, followed in order by kidney, brain, and muscle, whereas in liver it is undetectable; also detectable in leukocytes and fibroblasts.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	DALLKTGVKGLTAVSNAGVDNFGLLGLLLRKQIKRMVSSYVGENAEFERQYLS
Sequence Similarities	Belongs to the 3-oxoacid CoA-transferase family.

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;
Gene ID	5019
mRNA Refseq	NM_000436
Protein Refseq	NP_000427
MIM	601424

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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 of lipids and lipoproteins, organism-specific biosystem;

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

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