

Recombinant Human OXCT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. OXCT1-1903H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OXCT1 MS Standard C13 and N15-labeled recombinant protein (NP_000427) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 Mass	56.2 kDa
AA Sequence	MAALKLLSSGLRLCASARGSGATWYKGCVCFSFSTSAHRHTKFYTDVPVEAVKDIPDG ATVLVGGFGLCGIPENLIDALLKTGVKGLTAVSNNAGVDNFGGLGLLLRSKQIKRMVSS YVGNAEFERQYLSGELEVELTPQGTLAERIRAGGAGVPAFYTPPTGYGTLVQEGGS PIKYNKDGSVAIASKPREVREFNGQHFILEEAITGDFALVKAWKADRAGNVIFRKSAR NFNLPCKAAETTVVEVEEIVDIGAFAPEDIHIPQIYVHRLIKGEKYEKRIERLSIRKEG DGEAKSAKPGDDVRERIIKRAALEFEDGMYANLGIGIPLLASNFI SPNITVHLQSENGV LGLGPYPRQHEADADLINAGKETVTILPGASFFSSDES FAMIRGGHVDLTMLGAMQV SKYGDLANWMIPGKMKVKGMMGGAMD LVSSAKTKVVVTMEHSAKGNNAHKIMEKCTLP

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LTGKQCVNRIITEKAVFDVDKKKGLTLIELWEGLTVDDVQKSTGCDFAVSPKLMPMQ
QIANTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name OXCT1 3-oxoacid CoA transferase 1 [Homo sapiens (human)]

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

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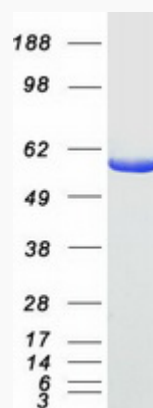
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MIM 601424

UniProt ID P55809

SDS-PAGE



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