

Recombinant Human OXCT1 protein, T7/His-tagged

Cat. No. OXCT1-215H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human OXCT1 cDNA (40 - 520aa, derived from BC009001) fused with T7-His-TEV cleavage site Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	40-520 a.a.
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MASMTGGQQMGRGRHHHHHHENLYFQGGFEGSTSTKFYTDPEAVKDIPDGATVLV GGFGLCGIPENLIDALLKTG VKGLTAVSNNAGVDNFGLGLLLRSKQIKRMVSSYVGE NAEFERQYLSGELEVELTPQGTLAERIRAGGAGVPAFY TPTGYGTLVQEGGSPIKY NKDGSVAIASKPREVREFNGQHFILEEAITGDFALVKAWKADRAGNVIFRKSARNFN LPMCKAAETTVVEVEEIVDIGAFAPEDIHIPQIYVHRLIKGEKYEKRIERLSIRKEGDGE AKSAKPGDDVRERII KRAALEFEDGMYANLGIGIPLLASNFISPNITVHLQSENGVLGL GPYPRQHEADADLINAGKETVTILPGASFFS SDEFAMIRGGHVDLTMLGAMQVSK YGDLANWMIPGKMVKMGAMDLVSSAKTKVVVTMEHSAKGNNAHKIMEKC TLPLT GKQCVNRIITEKAVFDVDKKGGLTLIELWEGLTVDDVQKSTGCDFAVSPKLMQM QI AN
Purity	>90% by SDS-PAGE.

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Storage Keep at -80°C for long term storage. Product is stable at 4 °C for at least 7 days.

GENE INFORMATION

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

Official Symbol OXCT1

Synonyms OXCT1; 3-oxoacid CoA transferase 1; SCOT; SCOT-s; 3-oxoacid-CoA transferase 1; succinyl CoA:3-oxoacid CoA transferase; succinyl-CoA:3-ketoacid-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, organism-specific biosystem; Synthesis and Degradation of Ketone Bodies, organism-specific biosystem;

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Function

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

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