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	MASMTGGQQMGRGHHHHHHENLYFQGGEFGSTSTKFYTDPVEAVKDIPDGATVLV GGFGLCGIPENLIDALLKTG VKGLTAVSNNAGVDNFGLGLLLRSKQIKRMVSSYVGE NAEFERQYLSGELEVELTPQGTLAERIRAGGAGVPAFY TPTGYGTLVQEGGSPIKY NKDGSVAIASKPREVREFNGQHFILEEAITGDFALVKAWKADRAGNVIFRKSARNFN LPMCKAAETTVVEVEEIVDIGAFAPEDIHIPQIYVHRLIKGEKYEKRIERLSIRKEGDGE AKSAKPGDDVRERII KRAALEFEDGMYANLGIGIPLLASNFISPNITVHLQSENGVLGL GPYPRQHEADADLINAGKETVTILPGASFFS SDESFAMIRGGHVDLTMLGAMQVSK YGDLANWMIPGKMVKGMGGAMDLVSSAKTKVVVTMEHSAKGNAHKIMEKC TLPLT GKQCVNRIITEKAVFDVDKKKGLTLIELWEGLTVDDVQKSTGCDFAVSPKLMPMQQI AN
Purity	>90% by SDS-PAGE.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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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