

## Product datasheet for **TP303764**

### **OXCT1 (NM\_000436) Human Recombinant Protein**

#### Product data:

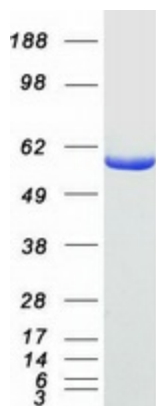
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human 3-oxoacid CoA transferase 1 (OXCT1), nuclear gene encoding mitochondrial protein, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203764 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MAALKLLSSGLRLCASARGSGATWYKGCVCFSFSTSAHRHTKFYTDPEAVKDIPDGATVLVGGFGLCGIP  ENLIDALLKTGVKGLTAVSNNAGVDNFGLLLRSKQIKRMVSSYVGENAEFERQYLSGELEVELTPQGT  LAERIRAGGAGVPAFYTPGTGYTLVQEGGSPIKYNKDGSVAIASKPREVREFNGQHFILEEAITGDFALV  KAWKADRAGNVIFRKSARNFNLPCKAAETTVVEVEEIVDIGAFAPEDIHIPQIYVHRLIKGEKEYEKRIE  RLSIRKEGDGEAKSAKPGDDVRERIIKRAALEFEDGMYANLGIGIPLLASNISPNTVHLQSENGVLGL  GPYPRQHEADADLINAGKETVTILPGASFFSSDESFAMIRGGHVDLTMLGAMQVSKYGDLANWMIPGKMV  KGMGGAMDLVSSAKTKVVVTMEHSAKGNNAHKIMEKCTPLTGKQCVNRIITEKAVFDVDKKKGLTLIELW  EGLTVDDVQKSTGCDFAVSPKLMPMQQIAN</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	52 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000427</a>
<b>Locus ID:</b>	5019
<b>UniProt ID:</b>	<a href="#">P55809</a> , <a href="#">A0A024R040</a>
<b>RefSeq Size:</b>	3572
<b>Cytogenetics:</b>	5p13.1
<b>RefSeq ORF:</b>	1560
<b>Synonyms:</b>	OXCT; SCOT
<b>Summary:</b>	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. [provided by RefSeq, Jul 2008]
<b>Protein Pathways:</b>	Butanoate metabolism, Synthesis and degradation of ketone bodies, Valine, leucine and isoleucine degradation

### Product images:



Coomassie blue staining of purified OXCT1 protein (Cat# TP303764). The protein was produced from HEK293T cells transfected with OXCT1 cDNA clone (Cat# [RC203764]) using MegaTran 2.0 (Cat# [TT210002]).