

## Product datasheet for **TP303764M**

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

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human 3-oxoacid CoA transferase 1 (OXCT1), nuclear gene encoding mitochondrial protein, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC203764 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAALKLLSSGLRLCASARGSGATWYKGCVCFSFSTSAHRHTKFYTDPEAVKDIPDGATVLVGGFGLCGIP  
ENLIDALLKTGVKGLTAVSNNAGVDNFGLGLLLRKQIKRMVSSYVGENAEFERQYLSGELEVELTPQGT  
LAERIRAGGAGVPAFYTPGTGTLVQEGGSPIKYKDGSVAIASKPREVREFNGQHFILEEAITGDFALV  
KAWKADRAGNVIFRKSARNFNLPMCKAAETTVEVEEIVDIGAFAPEDIHIPQIYVHRLIKGEKEYEKRIE  
RLSIRKEGDGEAKSAKPGDDVRERIIKRAALEFEDGMYANLGIGIPLLASNFI SPNITVHLQSENGVLGL  
GPYPRQHEADADLINAGKETVTILPGASFFSSDES FAMIRGGHVDLTMLGAMQVSKYGDLANWWMIPGKMV  
KGMGGAMDLVSSAKTKVWVTMEHSAKGNNAHKIMEKCTLPLTGKQCVNRIITEKAVFDVDKGGKGLTLIELW  
EGLTVDDVQKSTGCDFAVSPKLMMPMQQIAN

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

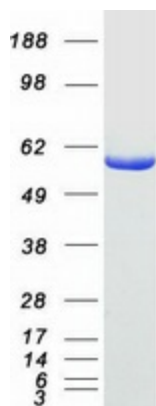
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	52 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	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]).