

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 Red =Cloning site Green =Tags(s)

MAALKLLSSGLRLCASARGSGATWYKGCVCFSFSTSAHRHTKFYTDVPEAVKDIPDGATVLVGGFGLCGIP
ENLIDALLKTGVKGLTAVSNNAGVDNFGLLGLLLRSKQIKRMVSSYVGENAEFERQYLSGELEVELTPQGT
LAERIRAGGAGVPAFYTPTGYGTLVQEGGSPIKYNKDGSVAIASKPREVREFNGQHFILEEAITGDFALV
KAWKADRAGNVIFRKSARNFNLPCKAAETTVEVEEIVDIGAFAPEDIHIPQIYVHRLIKGEKYEKRIE
RLSIRKEGDGEAKSAKPGDDVRERIIKRAALEFEDGMYANLGIGIPLLASNFI SPNITVHLQSENGVLGL
GPYPRQHEADADLINAGKETVTILPGASFFSSDES FAMIRGGHVDLTMLGAMQVSKYGD LANW MIPGKM
V
KGMGGAMD LVSSAKTKVVVTMEHSAKGN AHKIMEKCTLPLTGKQCVNRIITEKAVFDVDK KGLTLIELW
EGLTVDDVQKSTGCDFAVSPKLM PMQQIAN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

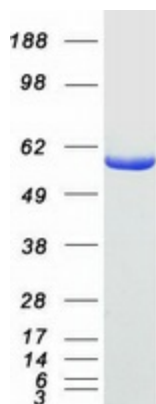
Tag:	C-Myc/DDK
Predicted MW:	52 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000427
Locus ID:	5019
UniProt ID:	P55809
RefSeq Size:	3572
Cytogenetics:	5p13.1
RefSeq ORF:	1560
Synonyms:	OXCT; SCOT
Summary:	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]
Protein Pathways:	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]).