

## Product datasheet for **TP307888M**

### CROT (NM\_021151) Human Recombinant Protein

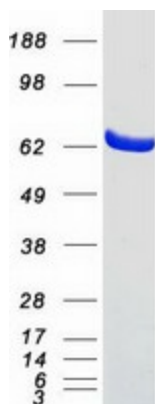
#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human carnitine O-octanoyltransferase (CROT), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207888 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MENQLAKSTEERTFQYQDSLPSLPVPSLEESLKKYLESVKPFANQEYKKTEEIVQKFQSGIGEKLHQKL LERAKGKRNWLEEWLNVAYLDVRIPSQLNVNFAGPAAHFEHYWPPKEGTQLERGSITLWHNLNYWQLLR KEKVPVHKVGNTPLDMNQFRMLFSTCKVPGITRDSIMNYFRTESEGRSPNHIVLCRGRAFVFDVIHEGC LVTPPELLRQLTYIHKKCHSEPDGPGIAALTSEERTRWAKAREYLIGLDPENLALLEKIQSLLVYSMED SSPHVTPEDYSEIIAAILIGDPTVRWGDKSYNLISFSNGVFGCNCDHAPFDAMIMVNISYYVDEKIFQNE GRWKGSEKVRDIPLPEELIFIVDEKVLNDINQAKAQYLREASDLQIAAYAFSFGKLTKNKMLHPDTFI QLALQLAYYRLHGHPGCCYETAMTRHFYHGRTETMRSCTEAVRWCQSMQDPSVNLRRERQKMLQAFQAKH NKMMKDCSAGKGFDRHLLGLLLIAKEEGLPVELFTDPLFSKSGGGGNFVLTSLVGYLRVQGVWVPMVH NGYGGFFYHIRDDRFVWACSAWKSCEPETDAEKLVLQTLTFCAFHDMIQLMNSTHL</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	70 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>	<u>NP_066974</u>
<b>Locus ID:</b>	54677
<b>UniProt ID:</b>	<u>Q9UKG9</u>
<b>RefSeq Size:</b>	3258
<b>Cytogenetics:</b>	7q21.12
<b>RefSeq ORF:</b>	1836
<b>Synonyms:</b>	COT
<b>Summary:</b>	This gene encodes a member of the carnitine/choline acetyltransferase family. The encoded protein converts 4,8-dimethylnonanoyl-CoA to its corresponding carnitine ester. This transesterification occurs in the peroxisome and is necessary for transport of medium- and long-chain acyl-CoA molecules out of the peroxisome to the cytosol and mitochondria. The protein thus plays a role in lipid metabolism and fatty acid beta-oxidation. Alternatively spliced transcript variants have been described.[provided by RefSeq, Jan 2009]
<b>Protein Families:</b>	Druggable Genome

**Product images:**

Coomassie blue staining of purified CROT protein (Cat# [TP307888]). The protein was produced from HEK293T cells transfected with CROT cDNA clone (Cat# [RC207888]) using MegaTran 2.0 (Cat# [TT210002]).