

Product datasheet for PH307888

CROT (NM_021151) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CROT MS Standard C13 and N15-labeled recombinant protein (NP_066974)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207888
Predicted MW:	70.2 kDa
Protein Sequence:	>RC207888 protein sequence Red=Cloning site Green=Tags(s)

MENQLAKSTEERTFQYQDSLPSLPVPSLEESLKKYLESVKPFANQEEYKKTEEIVQKFQSGIGEKLHQKL
LERAKGKRNWLEEWLNVAYLDVRIPSQLNVNFAAGPAAHFEHYWPPKEGTQLERGSITLWHNLNYWQLLR
KEKVPVHKVGNTPLDMNQFRMLFSTCKVPGITRDSIMNYFRTESEGRSPNHVVLCRGRAVFDVIHEGC
LVTPPELLRQLTYIHKKCHSEPDGPGIAALTSEERTRWAKAREYLIGLDPENLALLEKIQSSLLVYSMED
SSPHVTPEDYSEIIAAILIGDPTVRWGDKSYNLISFNGVFGCNCDHAPFDAMIMVNI SYVDEKIFQNE
GRWKGSEKVRDIPLPEELIFIVDEKVLNDINQAKAOYLREASDLQIAAYAFSTFGKCLKNKMLHPDFTFI
QLALQLAYYRLHGHPGCCYETAMTRHFYHGRTETMRSCVEAVRWCQSMQDPSVNL RERQQKMLQAF AKH
NKMMKDCSAGKGFDRHLLGLLLIAKEEGLPVPELFTDPLFSKSGGGGNFVLSLSTLVGYLRVQGVVPMVH
NGYGFYHIRDDRFVACSAWKSCPETADEKLVQLTFCAFHDMIQLMNSTHL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_066974
RefSeq Size:	3258
RefSeq ORF:	1836



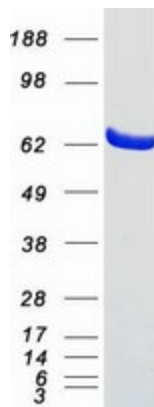
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Synonyms: COT
Locus ID: 54677
UniProt ID: [Q9UKG9](#)
Cytogenetics: 7q21.12

Summary: 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]

Protein Families: 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]).