

Recombinant Full Length Human CROT Protein, C-Flag-tagged

Cat. No. CROT-1243HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CROT Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	70 kDa
AA Sequence	MENQLAKSTEERTFQYQDSLPSLPVPSLEESLKKYLESVKPFANQEEYKKTEEIVQK FQSGIGEKLHQKL LERAKGKRNWLEEWLNVAYLDVRIPSQLNVNFAGPAAHFEH YWPPKEGTQLERGSITLWHNLNYWQLLR KEKVPVHKVGNTPLDMNQFRMLFSTCK VPGITRDSIMNYFRTESEGRSPNHIVVLCRGRAFVFDVIHEGC LVTPPELLRQLTYIH KKCHSEPDGPGIAALTSEERTRWAKAREYLIGLDPENLALLEKIQSSLLVYSMED SS PHVTPEDYSEIIAAILIGDPTVRWGDKSYNLISFSNGVFGCNC DHAPFDAMIMVNISYY VDEKIFQNE GRWKGSEKVRDIPLPEELIFIVDEKVLNDINQAKAQYLRASDLQIAAY

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AFTSFGKKLTKNKMLHPDTFI QLALQLAYYRLHGHPGCCYETAMTRHIFYHGRTE
 TMRSCCTVEAVRWQCQSMQDPSVNLRRERQQKMLQAFKHNKMMKDCSAGKGFDRHLL
 GLLIIAKEEGLPVPELFTDPLFSKSGGGGNFVLSTSLVGYL RVQGVVPMVH
 NGYGFFYHIRDDR FVVACSAWKSCPETDAEKL VQLTFCAFHDMIQLMNSTHLTRTR
 PLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	CROT carnitine O-octanoyltransferase [Homo sapiens (human)]
Official Symbol	CROT
Synonyms	COT
Gene ID	54677

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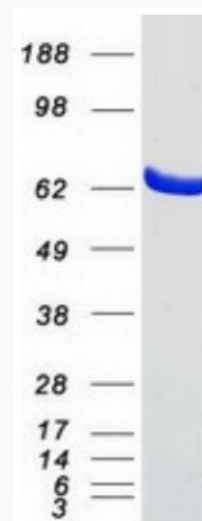
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mRNA Refseq [NM_021151.4](#)

Protein Refseq [NP_066974.2](#)

MIM [606090](#)

UniProt ID [Q9UKG9](#)



Coomassie blue staining of purified CROT protein.

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