

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

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

## SPECIFICATION

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

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 45-1 Ramsey Road, Shirley, NY 11967, USA

AFTSFGKKLTKNKMLHPDTFI QLALQLAYYRLHGHPGCCYETAMTRHFYHGRTE  
 TM RSCTVEAVRWCQSMQDPSVNLRRERQQKMLQAFKHNKMMKDCSAGKGFDRHLL  
 GLLLIAKEEGLPVPELFTDPLFSKSGGGGNFVLSTSLVGYLRVQGVVPMVH  
 NGYGFFYHIRDDRFVACSAWKSCPETAELVQLTFCAFHDMIQLMNSTHLTRTR  
 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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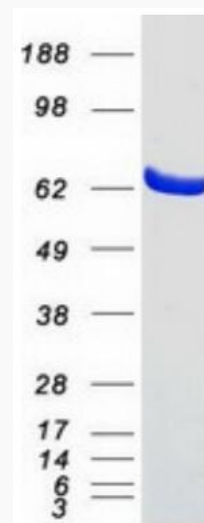
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mRNA Refseq [NM\\_021151.4](#)

Protein Refseq [NP\\_066974.2](#)

MIM [606090](#)

UniProt ID [Q9UKG9](#)



Coomassie blue staining of purified CROT protein.

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