

Product datasheet for **TP321302M**

ACOT1 (NM_001037161) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human acyl-CoA thioesterase 1 (ACOT1), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC221302 representing NM_001037161

Red=Cloning site Green=Tags(s)

MAATLILEPAGRCCWDEPVRIAVRGLAPEQPVTLRASLRDEKGFQAHARYRADTLGELDLERAPALGG
SFAGLEPMGLLWALEPEKPLVRLVKRDVRTPLAVELEVLGDHDPDGRLLCRVRHERYFLPPGVRREPVR
AGRVRGTLFLPPEPGPFPGIVDMFGTGGGLLEYPASLLAGKGFAMALAYNYEDLPKTMETLHLEYFEE
AVNYLLSHPEVKPGVGLLGISKGGELCLSMASFLKGITAAWINGSVANVGGTLRYKGETLPPVGVNRN
RIKVTKDGADIVDLNSPLEGPDQKSFIPVERAESTFLFLVGQDDHNWKSEFYANEACKRLQAHGRRPK
QIICYPETGHYIEPPYFPLCRASLHALVGSPIIWGGEPRAHAMAQVDAWKQLQTFHKKHLGGHEGTIPSK
V

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 46.1 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.

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_001032238](#)



[View online »](#)

Locus ID: 641371

UniProt ID: [Q86TX2](#), [E9KL42](#)

RefSeq Size: 1603

Cytogenetics: 14q24.3

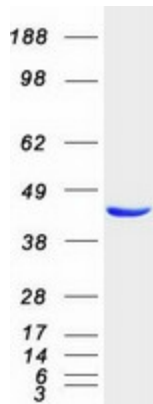
RefSeq ORF: 1263

Synonyms: ACH2; CTE-1; LACH2

Summary: Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs into free fatty acids and coenzyme A (CoASH), regulating intracellular levels of acyl-CoAs, free fatty acids and CoASH. More active towards saturated and unsaturated long chain fatty acyl-CoAs (C12-C20).[UniProtKB/Swiss-Prot Function]

Protein Pathways: Biosynthesis of unsaturated fatty acids

Product images:



Coomassie blue staining of purified ACOT1 protein (Cat# [TP321302]). The protein was produced from HEK293T cells transfected with ACOT1 cDNA clone (Cat# [RC221302]) using MegaTran 2.0 (Cat# [TT210002]).