

Product datasheet for PH321302

ACOT1 (NM_001037161) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ACOT1 MS Standard C13 and N15-labeled recombinant protein (NP_001032238)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221302
Predicted MW:	46.1 kDa
Protein Sequence:	>RC221302 representing NM_001037161 Red=Cloning site Green=Tags(s)

MAATLILEPAGRCWCWDEPVRIAVRGLAPEQPVTLRASLRDEKGFQAHARYRADTLGELDLERAPALGG
SFAGLEPMGLLWALEPEKPLVRLVKRDVRTPLAVELEVLGDHDPDPGRLLCRVRHERYFLPPGVRREPVR
AGRVRGTLFLPPEPGPFPGIIVDMFGTGGGLLEYRASLLAGKGFAYMALAYNYEDLPKTMETLHLEYFEE
AVNYLLSHPEVKGPVGLLGISKGGELCLSMASFLKGITAAVINGSVANVGGTLRYKGETLPPVGVNRN
RIKVTKDGADIVDLNSPLEGPDQKSFIPVERAESTFLFLVGQDDHNWKSEFYANEACKRLQAHGRRKP
QIICYPETGHYIEPPYFPLCRASLHALVGSPIIWGGEPRAHAMAQVDAWKQLQTFHFKHLGGHEGTIPSK
V

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_001032238
RefSeq Size:	1603
RefSeq ORF:	1263
Synonyms:	ACH2; CTE-1; LACH2



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Locus ID: 641371

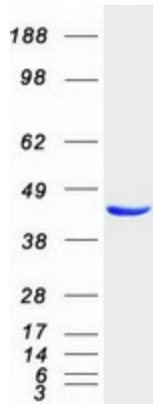
UniProt ID: [Q86TX2](#), [E9KL42](#)

Cytogenetics: 14q24.3

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]).