

Product datasheet for PH310550

Acyl coenzyme A Thioesterase 4 (ACOT4) (NM_152331) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ACOT4 MS Standard C13 and N15-labeled recombinant protein (NP_689544)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210550
Predicted MW:	46.1 kDa
Protein Sequence:	>RC210550 representing NM_152331 Red=Cloning site Green=Tags(s)

MSATLILEPPGRCCWNEPVRIAVRGLAPEQRVTLRASLRDEKRALFRAHARYCADARGELDLERAPALGG
SFAGLEPMGLLWALEPEKPFWRFLKRDVQIPFVVELEVLDGHDPEPGRLLCQAQHERHFLPPGVRQSVR
AGRVRATLFLPPGPGPFPGIIFGIGGGLLEYSRLLAGHGATLALAYNFEDLPNNMDNISLEYFEE
AVCYMLQHPQVKGPGLLGLSLGADICLSMASFLKNVSATVSINGSGISGNTAINYKHSSIPPLGYDLR
RIKVAFSGLVLDIIRNALVGGYKNPSMIPKIEKAQGPILLIVGQDDHNWRSELYAQTVSRERLQAHGKEKP
QIICYPGTGHYIEPPYFPLCPASLHRLLNKHVIWGGEPRAHKAQEDAWKQILAFFCKHLGGTQKTAVPK
L

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_689544
RefSeq Size:	1703
RefSeq ORF:	1263
Synonyms:	PTE-1b; PTE1B; PTE2B



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Locus ID: 122970

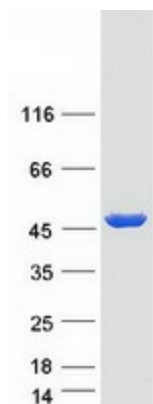
UniProt ID: [Q8N9L9](#)

Cytogenetics: 14q24.3

Summary: Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH (PubMed:16940157). ACOT4 is a peroxisomal succinyl-coenzyme A thioesterase can also hydrolyze glutaryl-CoA and long chain saturated acyl-CoAs (PubMed:16940157).[UniProtKB/Swiss-Prot Function]

Protein Pathways: Biosynthesis of unsaturated fatty acids

Product images:



Coomassie blue staining of purified ACOT4 protein (Cat# [TP310550]). The protein was produced from HEK293T cells transfected with ACOT4 cDNA clone (Cat# [RC210550]) using MegaTran 2.0 (Cat# [TT210002]).