

Product datasheet for **TP310550M**

Acyl coenzyme A Thioesterase 4 (ACOT4) (NM_152331) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human acyl-CoA thioesterase 4 (ACOT4), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC210550 representing NM_152331

Red=Cloning site Green=Tags(s)

MSATLILEPPGRCCWNEPVRIAVRGLAPEQRVTLRASLRDEKGFALFRAHARYCADARGELDLERAPALGG
SFAGLEPMGLLWALEPEKPFWRFLKRDVQIPFVVELEVLDGHDPEPGRLLCQAQHERHFLPPGVERRQSVR
AGRVRATLFLPPGPGPFPGIIDIFGIGGGLLEYRASLLAGHGFATLALAYYNFEDLPNNMDNISLEYFEE
AVCYMLQHPQVKGP GIGLLGISLGADICLSMASFLKNVSATVSINGSGISGNTAINYKHSSIPPLGYDLR
RIKVAFSGLVDIVDIRNALVGGYKNPSMIEKAQGPIILLVQDDHNWRSELYAQTVSERLQAHGKEKP
QIICYPGTGHYIEPPYFPLCPASLHRLLNKHVIWGGEPRAHKAQEDAWKQILAFFCKHLGGTQKTAVPK
L

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_689544](#)



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Locus ID: 122970

UniProt ID: [Q8N9L9](#)

RefSeq Size: 1703

Cytogenetics: 14q24.3

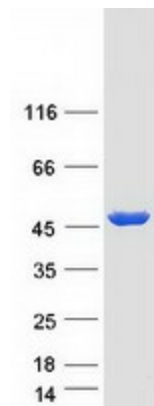
RefSeq ORF: 1263

Synonyms: PTE-1b; PTE1B; PTE2B

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]).