

## Product datasheet for TP310550

### 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), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210550 representing NM_152331 Red=Cloning site Green=Tags(s)
	MSATLILEPPGRCCWNEPVRIAVRGLAPEQRVTLRASLRDEKGFALFRAHARYCADARGELDLERAPALGG SFAGLEPMGLLWALEPEKPFWRFLKRDVQIPFVVELEVLDGHDPEPGRLLCQAQHERHFLPPGVRRQSVR 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:	<u><a href="#">NP_689544</a></u>



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Locus ID: 122970

UniProt ID: [Q8N9L9](#)

RefSeq Size: 1703

Cytogenetics: 14q24.3

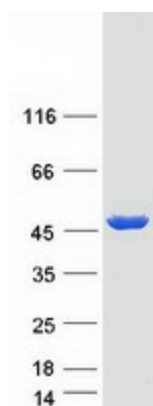
RefSeq ORF: 1263

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]).