

## Product datasheet for **TP310445M**

### ACOT12 (NM\_130767) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human acyl-CoA thioesterase 12 (ACOT12), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210445 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MERPAPGEVMSQAIQPAHATARGELSAGQLLKWIDTTACLAAEKHAGVSCVTASVDDIQFEETARVGQV  
ITIKAKVTRAFSTSMESISKVMVQDMLTGIEKLVSVAFSTFVAKPVGKEKIHLKPVTLLEQDHVEHNLA  
AERRKVRQLQHEDTFNNLMKESSKFDDLIFDEEEGAVSTRGTSVQSIELVLPphanHHGNTFGGQIMAWME  
TVATISASRLCWAHPFLKSVD MFKFRGPSTVGDRLVFTAIVNNTFQTCVEVGVVVEAFDCQEWAEGRGRH  
INSAFLIYNAADDKENLITFPRIQISKDDFRRYRGAIAARKRIRLGRKYVISHKEEVPLCIHWDISKQAS  
LSDSNVEALKKLAARGWEVTSTVEKIKIYTL EEHDVLSVWVEKHVGS PAHLAYRLLSDFTKRPLWDPHF  
VSCEVIDWVSEDDQLYHITCPILNDDKPKDLVVLVSRKPLKDGNTYTVAVKSVILPSVPPSPQYIRSEI  
ICAGFLIHAIDSNCSIVSYFNHMSASILPYFAGNLGGWSKSIETAASCIQFLENPPDDGFVSTF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	61.9 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.



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RefSeq: [NP\\_570123](#)

Locus ID: 134526

UniProt ID: [Q8WYK0](#)

RefSeq Size: 1989

Cytogenetics: 5q14.1

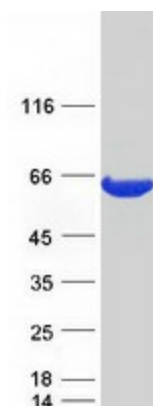
RefSeq ORF: 1665

Synonyms: Cach; CACH-1; STARD15; THEAL

**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:16951743). Acyl-coenzyme A thioesterase 12/ACOT12 preferentially hydrolyzes acetyl-CoA (PubMed:16951743).[UniProtKB/Swiss-Prot Function]

**Protein Pathways:** Pyruvate metabolism

### Product images:



Coomassie blue staining of purified ACOT12 protein (Cat# [TP310445]). The protein was produced from HEK293T cells transfected with ACOT12 cDNA clone (Cat# [RC210445]) using MegaTran 2.0 (Cat# [TT210002]).