

Datasheet for ABIN7558092
ACOT5 Protein (AA 1-421) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ACOT5
Protein Characteristics:	AA 1-421
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACOT5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Acot5 Protein expressed in mammalian cells.
Sequence:	<p>MVPTVSLEPT GHSCWDEPLS IAVRGLAPEQ PVTLR TALRD EKGALFRAHA RYRADSHGEL DLARTPALGG SFGLEPMGL LWAMEPDRPF WRLIKRDVQT PFVVELEVLD GHEPDGG RLL ARAVHERHFM APGVRRVPVR EGRVRATLFL PPGTGPFPGI IDLFGVGGGL LEYRASLLAG KGFVAVMALAY YKYDDLKVI DILHLEYFEE AVTYLLSHPQ VKGPGVGLLG ISKGAELSLS MASFLKGITA AVVINGATVN VISTLYYKEE SLPGLGMHLE RIKVTKDGFK DIIDILNVPL EAPDQKSLIP LERSDTAFLF LVGQDDHNWK SEFYAREASK RLQAHGKEKP QIVCYPKTGH HIEPPYIPWS IAAPHSYFDK PILLGGEPRA HAMAQVDAWQ RLQTFHFKHL SGDKRPSPAK L</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

ACOT5

Alternative Name:

Acot5 ([ACOT5 Products](#))

Background:

Acyl-coenzyme A thioesterase 5 (Acyl-CoA thioesterase 5) (EC 3.1.2.2) (Peroxisomal acyl-coenzyme A thioester hydrolase 1c) (PTE-1c) (Peroxisomal acyl-CoA thioesterase 1c),FUNCTION: Catalyzes the hydrolysis of acyl-CoAs into free fatty acids and coenzyme A (CoASH), regulating their respective intracellular levels (PubMed:16940157). Mainly active on medium-chain acyl-CoAs (PubMed:15007068). Seems to be involved in intraperoxisomal regulation of acyl-CoA levels, but not CoASH levels (PubMed:15007068). May have a function in termination of beta-oxidation of fatty acids (PubMed:15007068). {ECO:0000269|PubMed:15007068, ECO:0000303|PubMed:16940157}.

Molecular Weight:

46.6 kDa

UniProt:

[Q6Q2Z6](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
