

Datasheet for ABIN7558966
ACOT4 Protein (AA 1-421) (His tag)



[Go to Product page](#)

Overview

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|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | ACOT4 |
| Protein Characteristics: | AA 1-421 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ACOT4 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Western Blotting (WB) |

Product Details

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| Purpose: | Custom-made recombinat Acot4 Protein expressed in mammalien cells. |
| Sequence: | <p>MAATLSVEPT GRSCWDEPLS IAVRGLAPEQ PVTLRSVLRD EKGALFRAHA RYRADSHGEL DLARVPALGG SFSGLEPMGL LWAMEPDRPF WRLIKRDVQT PFLVELEVELD GHEPDGGRRL ARTVHERHFM APGVRRVPVR EGRVRATLFL PPGQGPFPGI IDVYGVGGGL LEYRAGLVAG HGFATLALAF YDFEDLPKEL NVIEVDYFEE AVRYMLRHPK VKGPDIGLLG LSLGADVCLI MASFLNNVSA TVSINGSAFS GNRHIKYKQT MIPPLGHDLR RMKVAFSGIL DIVDIRNDV GGCENPSMIP IEKAKGPILF VAGQDDHCWR SELYTQIASD RLQAHGKERP QVLSYPGTGH YIEPPYFPMC PASLHKIVNE AVIWGGEVKA HSKAQIDAWK QILFFFGKHL GSTHSRASCRL</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.</p> <p>In case you have a special request, please contact us.</p> |
| Characteristics: | Key Benefits: |

Product Details

- 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, Western Blot

Grade: custom-made

Target Details

Target: ACOT4

Alternative Name: Acot4 ([ACOT4 Products](#))

Background: Peroxisomal succinyl-coenzyme A thioesterase (EC 3.1.2.3) (Acyl-coenzyme A thioesterase 4) (Acyl-CoA thioesterase 4) (PTE-2b) (Peroxisomal acyl coenzyme A thioester hydrolase Ib) (Peroxisomal long-chain acyl-CoA thioesterase Ib) (PTE-Ib),FUNCTION: Catalyzes the hydrolysis of acyl-CoAs into free fatty acids and coenzyme A (CoASH), regulating their respective intracellular levels (PubMed:16141203, PubMed:16940157). In contrast to its human ortholog, functions essentially as a succinyl-CoA thioesterase with no activity with medium to long chain saturated acyl-CoAs and with a low activity toward glutaryl-CoA (PubMed:16141203, PubMed:16940157). {ECO:0000269|PubMed:16141203, ECO:0000269|PubMed:16940157}.

Molecular Weight: 46.5 kDa

UniProt: [Q8BWN8](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies

Application Details

as well. 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
