

Datasheet for ABIN7559970
ACOT7 Protein (AA 1-381) (His tag)



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Overview

Quantity:	1 mg
Target:	ACOT7
Protein Characteristics:	AA 1-381
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACOT7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Acot7 Protein expressed in mammalian cells.
Sequence:	MKLLVGT LRL WEVGRQVAFS SLTPGQEC SG LRKTFWAAMR AVRTRADH QK LGHCVTMGRI MRPDDANVAG NVHGGTILKM IEEAGAIIST RHCNSQNGER CVAALARVER TDFLSPMCIG EVAHVSAEIT YTSKHSVEVQ VHVMS ENILT GTKKLTNKAT LWYVPLSLKN VDKVLEVPPI VYLRQE QEEE GRKRYEAQKL ERMETKWRNG DIVQPVLNPE PNTVSYSSQSS LIHLVGP SDC TLHG FVHGGV TMKLMDEVAG IVAARHCKTN IVTASVDAIN FHDKIRKGC V ITISGRMTFT SNKSMEIEVL VDADPVVDNS QKRYRAASAF FTYVSLNQEG KPMPVPQLVP ETEDEKKRFE EGKGRYLQMK AKRQGHT EPQ 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.
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.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	ACOT7
Alternative Name:	Acot7 (ACOT7 Products)
Background:	Cytosolic acyl coenzyme A thioester hydrolase (EC 3.1.2.2) (Acyl-CoA thioesterase 7) (Brain acyl-CoA hydrolase) (BACH) (CTE-IIa) (CTE-II) (Long chain acyl-CoA thioester hydrolase),FUNCTION: Catalyzes the hydrolysis of acyl-CoAs into free fatty acids and coenzyme A (CoASH), regulating their respective intracellular levels (Probable). Preferentially hydrolyzes palmitoyl-CoA, but has a broad specificity acting on other fatty acyl-CoAs with chain-lengths of C8-C18 (Probable). May play an important physiological function in brain (Probable). {ECO:0000305 PubMed:15288813}.
Molecular Weight:	42.5 kDa
UniProt:	Q91V12
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

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
