

Recombinant human ACOT7 protein

Catalog Number: ATGP1340

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-370aa

UniProt No.

O00154

NCBI Accession No.

NP_009205

Alternative Names

Acyl-CoA thioesterase 7, ACH1, ACT, BACH, CTE-II, hBACH, LACH, LACH1, MGC1126, RP1-120G22

PRODUCT SPECIFICATION

Molecular Weight

42.6 kDa (390aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.15M NaCl.

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

ACOT7 is a member of the acyl coenzyme family. This protein hydrolyzes the CoA thioester of palmitoyl-CoA and other long-chain fatty acids. Decreased expression of this protein may be associated with mesial temporal lobe epilepsy. Alternatively spliced transcript variants encoding distinct isoforms with different subcellular locations have been characterized. Recombinant human ACOT7 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

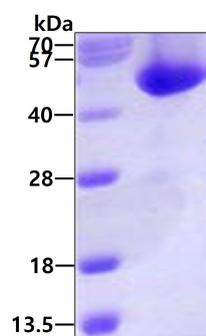
<MGSSHHHHH SSGLVPRGSH> MARPGLIHS A PGLPDTCALL QPPAASAAAA PMSGPDVET PSAIQICRIM
RPDDANVAGN VHGGTILKMI EEAGAIISTR HCNSQNGERC VAALARVERT DFLSPMCIGE VAHVSAEITY TSKHSVEVQV
NVMSENILTG AKKLTNKATL WYVPLSLKNV DKVLEVPPVV YSRQEQQEEG RKRYEAQKLE RMETKWRNGD IVQPVLNPEP
NTVSYSQSSL IHLVGPSDCT LHGFVHGGVT MKLMDEVAGI VAARHCKTNI VTASVDAINF HDKIRKGCVI TISGRMTFTS
NKSMEIEVLV DADPVVDSSQ KRYRAASAFF TYVLSLQEGR SLPVSQLVPE TEDEKKRFEE GKGRYLQMK A KRQGHAEPQP

General References

Hunt MC., et al. (2005) J Lipid Res. 46, 2029-32.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.