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

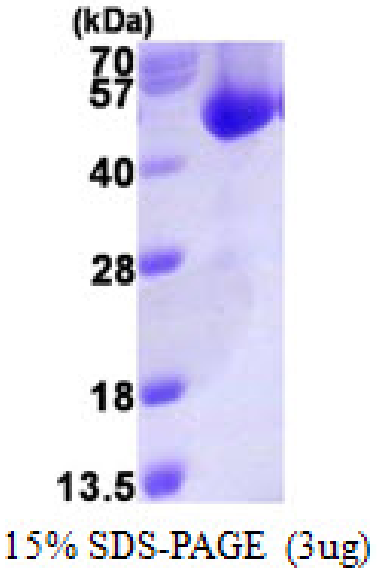
MGSSHHHHHH SSGLVPRGSH MARPGLIHSA PGLPDTCALL QPPAASAAAA PSMSGPDVET PSAIQICRIM RPDDANVAGN VHGGTILKMI EEAGAIISTR HCNSQNGERC VAALARVERT DFLSPMCIGE VAHVSAEITY TSKHSVEVQV NVMSENILTG AKKLTNKATL WYVPLSLKNV DKVLEVPPVV YSRQEQEEEG RKRYEAQKLE RMETKWRNGD IVQPVLNPEP NTVSYSQSSL IHLVGPSDCT LHGFVHGGVT MKLMDEVAGI VAARHCKTNI VTASVDAINF HDKIRKGCVI TISGRMTFTS NKSMEIEVLV DADPVVDSSQ KRYRAASAFF TYVSLSQEGR SLPVPQLVPE TEDEKKRFEE GKGRYLQMKA KRQGHAEPQP

General References

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

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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