

AR50165PU-S

Human ACOT7 / BACH (1-370, His-tag) - Purified

Alternate names:

Acyl-CoA thioesterase 7, Brain acyl-CoA hydrolase, Cytosolic acyl coenzyme A thioester hydrolase, Long chain acyl-CoA thioester hydrolase

Quantity:

0.1 mg

Concentration:

1 mg/ml (determined by Bradford)

Background:

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.

Uniprot ID:

[O00154](#)

NCBI:

[NP_009205](#)

GeneID:

[11332](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

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

Description:

Recombinant human ACOT7 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MARPGLIHS 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 DADPVDSSQ KRYRAASAFF TYVSLSQEGR SLPVPQLVPE
TEDEKKRFEE GKGRYLQMK KRGHAEPPQ

Molecular weight: 42.6 kDa (390aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:

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

Pictures:

