

ACAA1, 27-424aa, Human, His tag, E.coli

Cat.NO.: TP01022

3th Edition

Synonyms:3-ketoacyl-CoA thiolase, peroxisomal; ACAA; PTHIO; THIO.

Description:ACAA1 is a member of the thiolase family of enzymes and is involved in lipid metabolism. This protein is localized to the peroxisome and catalyzes the conversion of acyl-CoA and acetyl-CoA to 3-oxoacyl-CoA in the fatty acid oxidation pathway.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol 1mM DTT, 0.1M NaCl

Molecular Weight:43.8 kDa (419aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMLSGAPQASAADV VVHGRRTAICRAGRGGFKDTPDELLSAVMTAVLKDVNLR
PEQLGDICVGNVLQPGAGAIMARIAQFLSDIPETVPLSTVNRQCSSGLQAVASIAGGIRNGSYDIGMACGVESMSLA
DRGNPGNITSRLMEKEKARDCLIPMGITSENV AERFGISREKQDTFALASQQKAARAQSKGCFQAEIVPTTTVHDD
KGTKRSITVTQDEGIRPSTTMEGLAKLKP AFKKDGSTTAGNSSQVSDGAAAILLARRSKAEELGLPILGVLR SYAVVG
VPPDIMGIGPAYAIPVALQKAGLTVSDVDIFEINEAFASQAAYCVEKLRLPPEKVNPLGGAVALGHPLGCTGARQVIT
LLNELKRRGKRAYGVVSMCIGTGMGAAAVFEYPGN

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.