

**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  
KGTKRSITVTQDEGIRPSTTMEGLAKLKPAFKKDGSTTAGNSSQVSDGAAAILLARRSKAEELGLPILGVLR 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.