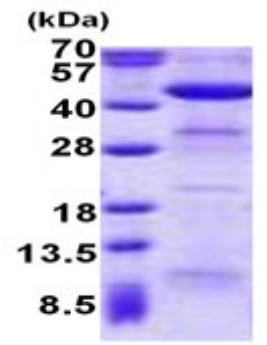


AR50844PU-S**Human ACAA2 (17-397, His-tag) - Purified**

Alternate names:	3-ketoacyl-CoA thiolase mitochondrial, Acetyl-CoA acyltransferase, Beta-ketothiolase, Mitochondrial 3-oxoacyl-CoA thiolase, T1
Quantity:	50 µg
Concentration:	0.5mg/ml (determined by Bradford assay)
Background:	ACAA2 catalyzes the last step of the mitochondrial fatty acid beta-oxidation spiral. Unlike most mitochondrial matrix proteins, it contains a non-cleavable amino-terminal targeting signal.
Uniprot ID:	P42765
NCBI:	NP_006102
GeneID:	10449
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Description:	Recombinant human ACAA2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSFGAYGGL LKDFATDLS EFAAKAALSA GKVSPETVDS VIMGNVLQSS SDAIYLARHV GLRVGIPKET PALTINRLCG SGFQSI VNGC QEICVKEAEV VLCGGTESMS QAPYCVRNVR FGTKLGSDIK LEDSLWVSLT DQHVQLPMAM TAENLAVKHK ISREEDKYA LQSQRWCAA NDAGYFNDEM APIEVKTKKG KQTMQVDEHA RPQTTLEQLQ KLPPVFKKDG TVTAGNASGV ADGAGAVIIA SEDAVKKHNF TPLARIVGYF VSGCDPSIMG IGPVPAISGA LKKAGLSLKD MDLVEVNEAF APQYLAVERS LDLDISKTNV NNGAIALGHP LGGSGSRITA HLVHELRRRG GKYAVGSACI GGGQGI AVII QSTA Molecular weight: 42.6 kDa (404aa) 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:	Cao, W ,et al. (2008) Biochim. Biophys. Acta 1780 (6), 873-880

Pictures:



15% SDS-PAGE (3ug)