

Product datasheet for **AR09612PU-N**

ACAA1 (27-424, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	ACAA1 (27-424, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MLSGAPQASA</u> ADVVVHGRR TAICRAGRGG FKDTTPDELL SAVMTAVLKD VNLRPEQLGD ICVGNVLQPG AGAIMARIAQ FLSDIPETVP LSTVNRQCSS GLQAVASIAG GIRNGSYDIG MACGVESMSL ADRGNPGNIT SRLMEKEKAR DCLIPMGITS ENVAERFGIS REKQDTFALA SQQKAARAQS KGCFQAEIVP VTTTVHDDKG TKRSITVTQD EGIRPSTTME GLAKLKPAFK KDGSTTAGNS SQVSDGAAAI LLARRSKAE E LGLPILGVLR SYAVWGVPPD IMGIGPAYAI PVALQKAGLT VSDVDIFEIN EAFASQAAYC VEKLRLPPEK VNPLGGAVAL GHPLGCTGAR QVITLLNELK RRGKRAYGVV SMCIGTGMGA AAVFEYPGN
Tag:	His-tag
Predicted MW:	43.8 kDa
Concentration:	lot specific
Purity:	>95% by SDS – PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 0.1 M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ACAA1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001123882</u>
Locus ID:	30
UniProt ID:	<u>P09110</u>
Cytogenetics:	3p22.2



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Synonyms: PTHIO, Beta-ketothiolase, Acetyl-CoA acyltransferase

Summary: This gene encodes an enzyme operative in the beta-oxidation system of the peroxisomes. Deficiency of this enzyme leads to pseudo-Zellweger syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008]

Protein Pathways: Biosynthesis of unsaturated fatty acids, Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway, Valine, leucine and isoleucine degradation

Product images:

