OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AR09540PU-L

ACADM (26-421, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	ACADM (26-421, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MKANRQREPG LGFSFEFTEQ QKEFQATARK FAREEIIPVA AEYDKTGEYP VPLIRRAWEL GLMNTHIPEN CGGLGLGTFD ACLISEELAY GCTGVQTAIE GNSLGQMPII IAGNDQQKKK YLGRMTEEPL MCAYCVTEPG AGSDVAGIKT KAEKKGDEYI INGQKMWITN GGKANWYFLL ARSDPDPKAP ANKAFTGFIV EADTPGIQIG RKELNMGQRC SDTRGIVFED VKVPKENVLI GDGAGFKVAM GAFDKTRPVV AAGAVGLAQR ALDEATKYAL ERKTFGKLLV EHQAISFMLA EMAMKVELAR MSYQRAAWEV DSGRRNTYYA SIAKAFAGDI ANQLATDAVQ ILGGNGFNTE YPVEKLMRDA KIYQIYEGTS QIQRLIVARE HIDKYKN
Tag:	His-tag
Predicted MW:	45.9 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ACADM 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:	NP_000007
Locus ID:	34
UniProt ID:	P11310
Cytogenetics:	1p31.1

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Synonyms: MCAD

Summary: This gene encodes the medium-chain specific (C4 to C12 straight chain) acyl-Coenzyme A dehydrogenase. The homotetramer enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Defects in this gene cause medium-chain acyl-CoA dehydrogenase deficiency, a disease characterized by hepatic dysfunction, fasting hypoglycemia, and encephalopathy, which can result in infantile death. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: beta-Alanine metabolism, Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway, Propanoate metabolism, Valine, leucine and isoleucine degradation

Product images: