

## **Product datasheet for AR09540PU-N**

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

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** ACADM (26-421, His-tag) human recombinant protein, 50 μg

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-tagPredicted MW:45.9 kDaConcentration: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





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

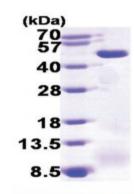
RefSeq, Jul 2008]

**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:**



15% SDS-PAGE (3ug)