

ACADM recombinant protein

ACADM, 26-421aa, Human, His tag, E Coli

CATALOG # AAA48639	HOST E Coli	APPLICATIONS SDS-Page
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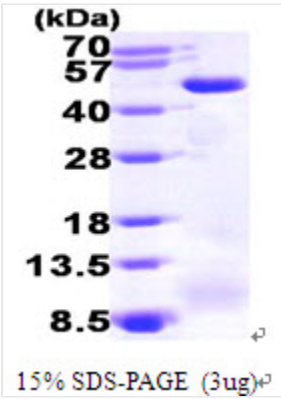
PRODUCT SYNONYMS

ACADM; 26-421aa; Human; His tag; E Coli; Medium-chain specific acyl-CoA dehydrogenase; ACAD1; CAD; MCADH; ACAD 1; Acyl Coenzyme A Dehydrogenase; Acyl coenzyme A dehydrogenase C 4 to C 12 straight chain; C4 to C12 Straight Chain; FLJ18227; FLJ93013; FLJ99884; MCAD; Medium chain acyl CoA dehydrogenase; Medium chain fatty acyl CoA dehydrogenase; Medium chain specific acyl CoA dehydrogenase; Medium chain specific acyl CoA dehydrogenase mitochondrial; ACADM recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol 0.1M NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MKANRQREPG LGFSFEFEQ 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 SIKAFAGDI ANQLATDAVQ ILGGNGFNTE YPVEKLMRDA KIYQIYEGTS QIQLIVARE HIDKYKN
Sequence Length	421
Applicable Applications for ACADM recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ACADM recombinant protein	ACADM, also known as acyl-Coenzyme A dehydrogenase is an enzyme that is important for breaking down (degrading) a certain group of fats called medium-chain fatty acids. It is essential for converting these particular fatty acids to energy, especially during periods without food (fasting). This protein functions in mitochondria, the energy-producing centers within cells. It is found in the mitochondria of several types of tissues, particularly the liver. Recombinant human ACADM protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques
Product Categories/Family for ACADM recombinant protein	Enzymes & Proteases
References	Gregersen N., et al. (2001) Hum Mutat. 18 (3):169-89.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557231
NCBI GeneID	34
NCBI Accession #	NP_000007
NCBI GenBank Nucleotide #	NM_000016.5
UniProt Accession #	P11310; Q5T4U4; Q9NYF1
Molecular Weight	45.9 kDa (417aa) confirmed by MALDI-TOF
NCBI Official Full Name	medium-chain specific acyl-CoA dehydrogenase, mitochondrial isoform a
NCBI Official Synonym Full Names	acyl-CoA dehydrogenase medium chain
NCBI Official Symbol	ACADM
NCBI Official Synonym Symbols	MCAD; ACAD1; MCADH
NCBI Protein Information	medium-chain specific acyl-CoA dehydrogenase, mitochondrial
UniProt Protein Name	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial
UniProt Gene Name	ACADM
UniProt Synonym Gene Names	MCAD

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.