

Acyl-Coenzyme A Dehydrogenase, C-4 to C-12 Human Recombinant

Item Number	rAP-1016
Synonyms	ACADM, ACAD1, CAD, MCADH, MCAD, EC=1.3.99.3, Medium-chain specific acyl-CoA dehydrogenase, mitochondrial, FLJ18227, FLJ93013, FLJ99884.
Description	ACADM Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 417 amino acids (26-421 a.a.) and having a molecular mass of 45.9 kDa. The ACADM is fused to a 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	P11310
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MKANRQREPG LGFSFEFTEQ QKEFQATARK FAREEIPVA AEYDKTGEYP VPLIRRAWEL GLMNTHIPEN CGGLGLGTFD ACLISEELAY GCTGVQTAIE GNSLGQMPII IAGNDQQKKK YLGRMTEEPL MCAYCVTEPG AGSDVAGIKT KAEKKGDEYI INGQKMWITN GGKANWYFLL ARSDPDPKAP ANKAFTGFIV EADTPGIQIG RKELNMGQRC SDTRGIVFED VKVPKEN- VLI GDGAGFKVAM GAFDKTRPVV AAGAVGLAQR ALDEATKYAL ERKTFGKLLV EHQAISFMLA EMAMKVELAR MSYQRAAWEV DSGRRNTYYA SIAKAFAGDI ANQLATDAVQ ILGGNGFNTE YPVEKLMRDA KIYQIYEGTS QIQLIVARE HIDKYKN.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The ACADM (0.5mg/ml) protein solution containing 20mM Tris-HCl pH-7.5, 0.1M NaCl & 20% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**