

## Acyl-Coenzyme A Dehydrogenase C-2 to C-3 Human Recombinant

<b>Item Number</b>	rAP-1005
<b>Synonyms</b>	ACAD3, SCAD, EC 1.3.99.2, Short-chain specific acyl-CoA dehydrogenase, mitochondrial, Butyryl-CoA dehydrogenase, ACADS.
<b>Description</b>	ACADS Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 409 amino acids (25-412 a.a.) and having a molecular mass of 44 kDa. The ACADS protein is fused to a 20 amino acid His Tag at N-terminus and purified by standard chromatography techniques.
<b>Uniprot Accession Number</b>	P16219
<b>Amino Acid Sequence</b>	MGSSHHHHH SSGLVPRGSH MLHTIYQSVE LPETHQMLLQ TCRDFAEKEL FPIAAQVDKE HLF- PAAQVKK MGGLGLLAMD VPEELGGAGL DYLAYAIAME EISRGCSTG VIMSVNNSLY LGPILKFGSK EQKQAWVTPF TSGDKIGCFA LSEPGNGSDA GAASTTARAE GDSWVLNGTK AWITNAWEAS AAVFASTDR ALQNKISAF LVPMPPTGLT LGKKEDKLG I RGSSTANLIF EDCRIPKDSI LGEPGMGFKI AMQTLDMGRI GIASQALGIA QTALDCAVNY AENRMAFGAP LTKLQVIQFK LADMALALES ARLLTWRAAM LKDNKKPFIK EAAMAKLAAS EAATAISHQA IQILGGMGYV TEMPAERHYR DARITEIYEG TSEIQLRVIA GHLLRSYRS.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	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).
<b>Formulation and Purity</b>	The protein contains 20mM Tris buffer pH-8, 1mM DTT, 20% glycerol and 100mM NaCl. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	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**