

Acyl-CoA Dehydrogenase, Long Chain, Human Recombinant

Item Number	rAP-0986
Synonyms	Acyl-CoA dehydrogenase long chain, Acyl-Coenzyme A dehydrogenase long chain, LCAD, ong-chain specific acyl-CoA dehydrogenase mitochondrial, ACAD4, EC 1.3.99.13.
Description	ACADL Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 421 amino acids (31-430) and having a molecular mass of 46.7 kDa.ACADL is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P28330
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGGEERLETP SAKKLTDIGI RRIFSPEHDI FRKSVRKFFQ EEVIPHHSEW EKAGEVSREV WEKAGKQGLL GVNIAEHLGG IGGDLYSAAI VWEEQAYSNC SGPGFSIHSG IVMSYITNHG SEEQIKHFIP QMTAGKCIGA IAMTEPGAGS DLQGKTNK KDGSDWILNG SKVFISNGSL SDVVIVVAVT NHEAPSPAHG ISLFLVENG M KGFIKGRKLH KMGLKAQDTA ELFFEDIRLP ASALLGEENK GFYYIMKELP QERLLIADVA ISASEFMFEE TRNYVKQRKA FGKTVAHLQT VQHKLAELKT
Source	E.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 ACADL solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol. Greater than 85% 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**