

## 32-2102: ACADL Recombinant Protein

**Alternative Name :** Acyl-CoA dehydrogenase long chain, Acyl-Coenzyme A dehydrogenase long chain, LCAD, long-chain specific acyl-CoA dehydrogenase mitochondrial, ACAD4, EC 1.3.99.13.

### Description

Source : E.coli. 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. ACADL is a homotetramer belonging to the acyl-CoA dehydrogenase family. ACADL takes part in the catabolism of fatty acids and amino acids and is a key source of energy for the heart and skeletal muscle. Mutation in the ACADL gene results in non-ketotic hypoglycemia and hypotonia (muscle weakness).

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 85% as determined by SDS-PAGE.  
**Content :** The ACADL solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MGGEERLETP SAKKLTDIGI RRIFSPEDI FRKSVRKFFQ EEVIPHHSEW EKAGEVSREV WEKAGKQGLL GVNIAEHLGG IGGDLYSAAI VWEEQAYSNC SGPGFSIHSG IVMSYITNHG SEEQIKHFIP QMTAGKCIGA IAMTEPGAGS DLQGIKTNK KDGSDWILNG SKVFISNGSL SDVVIVVAVT NHEAPSPAHG ISFLVNGM KGFIKGRKLH KMGLKAQDTA ELFFEDIRLP ASALLGEENK GFYYIMKELP QERLLIADVA ISASEFMFEE TRNYVKQRKA FGKTVAHLQT VQHKLAELKT HICVTRAFVD NCLQLHEAKR LDSATACMAK YWASELQNSV AYDCVQLHGG WGYMWEYPIA KAYVDARVQP IYGGTNEIMK ELIAREIVFD K

