

Product information

ACADL, 31-430 aa

Human, His-tagged, Recombinant, *E.coli*

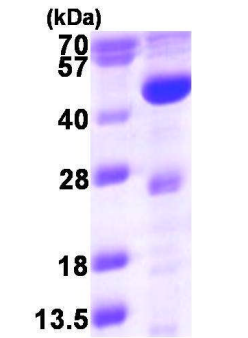
Cat. No. IBATGP1278

Full name: Acyl-CoA dehydrogenase, long chain.

NCBI Accession No.: NP_001599

Synonyms: ACAD4, FLJ94052, LCAD

Description: ACADL belongs to the acyl-CoA dehydrogenase family, existing as a homotetramer. It is involved in the catabolism of fatty acids and amino acids and they provide a major source of energy for the heart and skeletal muscle. Defect in the gene encoding ACADL leads to non-ketotic hypoglycemia and hypotonia, muscle weakness. Recombinant human ACADL protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol 1mM DTT, 0.15M NaCl.</p> <p>Molecular Weight: 46.7 kDa (421aa), confirmed by MALDI-TOF</p> <p>Purity: > 85 % by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford)</p>	
<p>Sequences of amino acids:</p> <p>MGSSHHHHHH SSGLVPRGSH MGGEERLETP SAKKLTDIGI RRIFSPEDI FRKSVRKFQ EEVIPHSEW EKAGEVSREV WEKAGKQGLL GVNIAEHLGG IGGDLYSAAI VWEEQAYSNC SGPGFSIHSG IVMSYITNHG SEEQIKHFIP QMTAGKCI GA IAMTEPGAGS DLQGIKTKAK KDGSDWILNG SKVFI SNGSL SDVVIVAVT NHEAPSPAHG ISLFLVENGK KGFIKGRKLH KMGLKAQDTA ELFFEDIRLP ASALLGEENK GFYYIMKELP QERLLIADVA ISASEFMFEE TRNYVKQRKA FGKTV AHLQT VQHKLAELKT HICVTRAFVD NCLQLHEAKR LDSATACMAK YWASELQNSV AYDCVQLHGG WGYMWEYPIA KAYVDARVQP IYGGTNEIMK ELIAREIVFD K</p>	

General references:

Maher AC., *et al.* (2010) *Mol Genet Metab.* 100(2):163-7.

Wanders RJ., *et al.* (1998) *Biochim Biophys Acta.* 1393(1):35-40.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.