
Product Data Sheet

Product Name: ACADL Human
 Cat. No.: GP21329
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGGEERLETP SAKKLTDIGI RRIF SPEHDI FRKSVRKFFQ EEVIPHHSEW EKAGEVSREV WEKAGKQGLL GVNIAEHLGG IGGDLYSAAI VWEEQAYSNC SGPGFSIHSG IVMSYITNHG SEEQIKHFIP QMTAGKCIGA IAMTEPGAGS DLQGIKTNK KDGSDWILNG SKVFISNGSL SDVVIVVAVT NHEAPSPAHG ISLFLVENG M KGF I KGRKLH KMGLKAQDTA ELFFEDIRLP ASALLGEENK GFYYIMKELP QERLLIADVA ISASEFMFEE TRNYVKQRKA FGKTVAHLQT VQHKLAELKT HICVTRAFVD NCLQLHEAKR LDSATACMAK YWASELQNSV AYDCVQLHGG WGYMWEYPIA KAYVDARVQP IYGGTNEIMK ELIAREIVFD K		
Formulation	The ACADL solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.		

Introduction

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).

Stability

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA