

Product datasheet

Recombinant Human ACADL/LCAD protein ab113579

1 Image

Description	
Product name	Recombinant Human ACADL/LCAD protein
Purity	> 85 % SDS-PAGE. > 85 % by SDS - PAGE. ab113579 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<b>P28330</b>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGGEERLETPSAKKLTDIGI RRIFSPEHDI FRKSVRKFFQEEVIPHHSEWEKAGEVSREVWEKAGKQG LLGVNIAEHLGG IGGDLYSAAMWEEQAYSNCSGPGFSIHSGVMMSYITNHGS EEQIKHFIP QMTAGKCIGAIAMTEPGAGSDLQGKTNAKKDGS DWILNG SKVFISNGSL SDVVIVVAVTNHEAPSPAHGISLFLVENG MKGFIKGRKLHK MGLKAQDTA ELFFEDIRLPASALLGEENKGFYIMKELPQERLLIADVAIS ASEFMFEE TRNYVKQRKAFGKTVAHLQTVQHKLAELKTHICVTRAFVD NCLQLHEAKR LDSATACMAKYWASELQNSVAYDCVQLHGGWGYMWEY PIAKAYVDARVQP IYGGTNEIMKELIAREVFDK
Predicted molecular weight	47 kDa including tags
Amino acids	31 to 430
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab113579** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid
<b>Additional notes</b>	Previously labelled as ACADL.

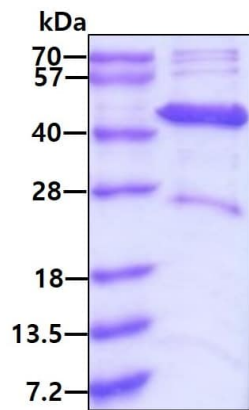
## Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.  pH: 8.00 Constituents: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.88% Sodium chloride
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## General Info

<b>Pathway</b>	Lipid metabolism; mitochondrial fatty acid beta-oxidation.
<b>Involvement in disease</b>	Defects in ACADL are a cause of acyl-CoA dehydrogenase very long-chain deficiency (ACADVLD) [MIM:201475]. An inborn error of mitochondrial fatty acid beta-oxidation which leads to impaired long-chain fatty acid beta-oxidation. It is clinically heterogeneous, with three major phenotypes: a severe childhood form characterized by early onset, high mortality and high incidence of cardiomyopathy; a milder childhood form with later onset, characterized by hypoketotic hypoglycemia, low mortality and rare cardiomyopathy; an adult form, with isolated skeletal muscle involvement, rhabdomyolysis and myoglobinuria, usually triggered by exercise or fasting.
<b>Sequence similarities</b>	Belongs to the acyl-CoA dehydrogenase family.
<b>Cellular localization</b>	Mitochondrion matrix.

## Images



SDS-PAGE - Recombinant Human ACADL/LCAD  
protein (ab113579)

3µg by SDS-PAGE under reducing conditions and visualized by  
coomassie blue stain.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

#### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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