abcam

Product datasheet

Recombinant Human ACADL/LCAD protein ab114591

1 Image

Description

Product name	Recombinant Human ACADL/LCAD protein
Expression system	Wheat germ
Accession	**P28330**
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MAARLLRGSLRVLGGHRAPRQLPAARCSHSGGEERLETP SAKKLTDIGIR RIFSPEHDIFRKSVRKFFQEEVIPHHSEWEKAGEVSREVW EKAGKQGLLG VNIAEHLGGIGGDLYSAAIVWEEQAYSNCSGPGFSIHSGIV MSYITNHGS EEQIKHFIPQMTAGKCIGAIAMTEPGAGSDLQGIKTNAKKD GSDWILNGS KVFISNGSLSDVVIVVAVTNHEAPSPAHGISLFLVENGMKG FIKGRKLHK MGLKAQDTAELFFEDIRLPASALLGEENKGFYYIMKELPQE RLLIADVAI SASEFMFEETRNYVKQRKAFGKTVAHLQTVQHKLAELKT HICVTRAFVDN CLQLHEAKRLDSATACMAKYWASELQNSVAYDCVQLHG GWGYMWEYPIAK AYVDARVQPIYGGTNEIMKELIAREIVFDK
Predicted molecular weight	73 kDa including tags
Amino acids	1 to 430

Specifications

Our **Abpromise guarantee** covers the use of **ab114591** in the following tested applications.

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

Applications	ELISA
	SDS-PAGE

	Western blot
Form	Liquid
Additional notes	This product was previously labelled as ACADL.

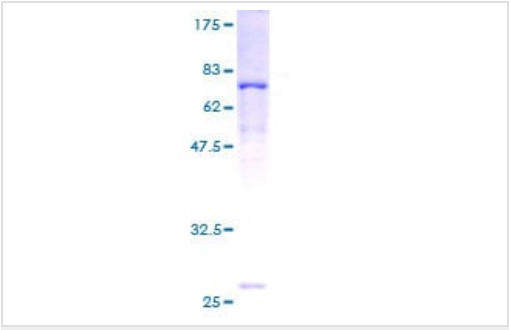
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

General Info

Pathway	Lipid metabolism; mitochondrial fatty acid beta-oxidation.
Involvement in disease	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.
Sequence similarities	Belongs to the acyl-CoA dehydrogenase family.
Cellular localization	Mitochondrion matrix.

Images



SDS-PAGE - Recombinant Human ACADL/LCAD protein (ab114591)

12.5% SDS-PAGE showing ab114591 at approximately 73.41kDa stained with Coomassie Blue.

Our Abpromise to you: Quality guaranteed and expert technical support

- 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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