abcam

Product datasheet

Recombinant Human ACADM/MCAD protein ab99329

1 Image

Description

Product name	Recombinant Human ACADM/MCAD protein
Purity	> 90 % SDS-PAGE. ab99329 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	**P11310**
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	**MGSSHHHHHHSSGLVPRGSHM**KANRQREPGLGFSFEF TEQQKEFQATARK FAREEIIPVAAEYDKTGEYPVPLIRRAWELGLMNTHIPENC GGLGLGTFD ACLISEELAYGCTGVQTAIEGNSLGQMPIIIAGNDQQKKKYL GRMTEEPL MCAYCVTEPGAGSDVAGIKTKAEKKGDEYIINGQKMWITN GGKANWYFLL ARSDPDPKAPANKAFTGFIVEADTPGIQIGRKELNMGQRC SDTRGIVFED VKVPKENVLIGDGAGFKVAMGAFDKTRPVVAAGAVGLAQ RALDEATKYAL ERKTFGKLLVEHQAISFMLAEMAMKVELARMSYQRAAWE VDSGRRNTYYA SIAKAFAGDIANQLATDAVQILGGNGFNTEYPVEKLMRDAK IYQIYEGTS QIQRLIVAREHIDKYKN
Predicted molecular weight	46 kDa including tags
Amino acids	26 to 421
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab99329** in the following tested applications.

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

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid
Additional notes	Previously labelled as ACADM.

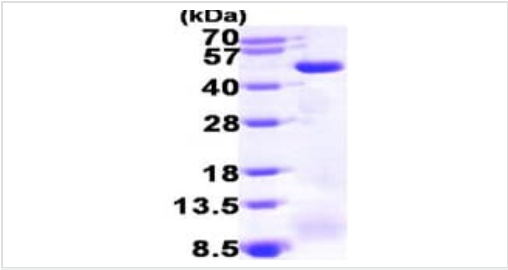
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function	This enzyme is specific for acyl chain lengths of 4 to 16.
Pathway	Lipid metabolism; mitochondrial fatty acid beta-oxidation.
Involvement in disease	Defects in ACADM are the cause of acyl-CoA dehydrogenase medium-chain deficiency (ACADMD) [MIM:201450]. It is an autosomal recessive disease which causes fasting hypoglycemia, hepatic dysfunction, and encephalopathy, often resulting in death in infancy.
Sequence similarities	Belongs to the acyl-CoA dehydrogenase family.
Cellular localization	Mitochondrion matrix.

Images



SDS-PAGE - Recombinant Human ACADM/MCAD protein (ab99329)

15% SDS-PAGE analysis of 3µg ab99329.

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

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