

Recombinant Human ACADM/MCAD protein ab173059

Description

Product name	Recombinant Human ACADM/MCAD protein	
Purity	> 95 % SDS-PAGE. The purity of ab173059 is greater than 95%, as determined by SEC-HPLC and reducing SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	<u>P11310</u>	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	KANRQREPGLGFSFEFTEQQKEFQATARKFAREEIIPVAA EYDKTGEYPV PLIRRAWELGLMNTHIPENCGGLGLGTFDACLISEELAYGC TGVQTAIEG NSLGQMPIIIAGNDQQKKKYLGRMTEEPLMCAYCVTEPGA GSDVAGIKTK AEKKGDEYIINGQKMWITNGGKANWYFLLARSDPDPKAPA NKAFTGFIVE ADTPGIQIGRKELNMGQRCSDRGIVFEDVKVPKENVLIGD GAGFKVAMG AFDKTRPVVAAGAVGLAQRALDEATKYALERKTFGKLLV EHQAISFMLAE MAMKVELARMSYQRAAWEVDSGRRNTYYASIAKAFAGDI ANQLATDAVQI LGGNGFNTEYPVEKLMRDAKIYQIYEGTSQIQRLIVAREHID KYKN	
Predicted molecular weight	46 kDa including tags	
Amino acids	26 to 421	
Tags	His tag N-Terminus	
Additional sequence information	Sequence for the tag: MGSSHHHHHHSSGLVPRGSHM	

Specifications

Our **Abpromise guarantee** covers the use of **ab173059** 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 HPLC
Form	Liquid
Additional notes	Previously labelled as ACADM.

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.50 Constituents: 0.24% Tris, 0.58% Sodium chloride, 20% Glycerol (glycerin, glycerine) ab173059 is supplied as a 0.2 µM filtered solution.
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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 (ACADM) [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.

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

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