

### Recombinant Human ACADVL/VLCAD protein ab98234

#### 1 图像

#### 描述

产品名称	重组人ACADVL/VLCAD蛋白
纯度	> 90 % SDS-PAGE. ab98234 was purified using conventional chromatography techniques.
表达系统	Escherichia coli
Accession	<b><u>P49748</u></b>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human

序列

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MGSSHHHHHSSGLVPRGSHMAGGAAQLALDKSDSHPSDA
LTRKKPAKAE
SKSFAVGMFKGQLTTDQVFPYPSVLNNEEQTQFLKELVEPVS
RFFEEVNDP
AKNDALEMVEETTQGLKELGAFGLQVPSELGGVGLCNTQYA
RLVEIVGM
HDLGVGITLGAHQSIGFKGILLFGTKAQKEKYLPKLASGETV
AAFCLTEP
SSGSDAASIRTSAVPSPCGKYITLNGSKLWISNGGLADIFTV
FAKTPVTD
PATGAVKEKITAFVVERGFGGITHGPPEKKMGIKASNTAEVF
FDGVRVPS
ENVLGEVSGFKVAMHILNNGRFGMAAALAGTMRGIIAKAVD
HATNRTQF
GEKIHNFGLIQEKLARMVMLQYVTESMAYMVSANMDQGATDF
QIEAAISK
IFGSEAAWKVTDCEIQIMGGMGFMKEPGVERVLRDLRIFRIF
EGTNDILR
LFVALQGCMDKGKELSGLSALKNPFGNAGLLLGEAGQLRR
RAGLGSGL
SLSGLVHPELSRSGELAVRALEQFATVVEAKLIKHKKGIVNE
QFLLQRLA
DGAIDLAMVVVLSRASRSLSEGHPAQHEKMLCDTWCIEAA
ARIREGMA
ALQSDPWQQELYRNFKSISKALVERGGVVTSNPLGF

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预测分子量	69 kDa including tags
氨基酸	41 to 655
标签	His tag N-Terminus

## 技术指标

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Our **Abpromise guarantee** covers the use of **ab98234** in the following tested applications.

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

应用	SDS-PAGE
形式	Liquid
补充说明	Previously labelled as ACADVL.

## 制备和贮存

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稳定性和存储	<p>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.</p> <p>pH: 8.00</p> <p>Constituents: 0.0154% DTT, 0.316% Tris HCl, 0.0292% EDTA, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride</p>
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## 常规信息

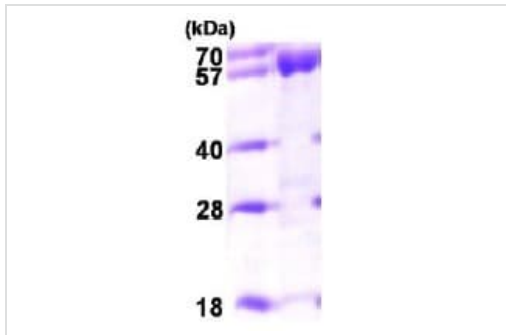
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功能	Active toward esters of long-chain and very long chain fatty acids such as palmitoyl-CoA, myristoyl-CoA and stearoyl-CoA. Can accommodate substrate acyl chain lengths as long as 24 carbons, but shows little activity for substrates of less than 12 carbons.
通路	Lipid metabolism; mitochondrial fatty acid beta-oxidation.
疾病相关	Defects in ACADVL are the cause of acyl-CoA dehydrogenase very long chain deficiency (ACADVLD) [MIM:201475]. ACADVLD is an autosomal recessive disease which leads to impaired long-chain fatty acid beta-oxidation. It is clinically heterogeneous, with three major phenotypes: a severe childhood form, with early onset, high mortality, and high incidence of cardiomyopathy; a milder childhood form, with later onset, usually with hypoketotic hypoglycemia as the main presenting feature, low mortality, and rare cardiomyopathy; and an adult form, with isolated skeletal muscle involvement, rhabdomyolysis, and myoglobinuria, usually triggered by exercise or fasting.
序列相似性	Belongs to the acyl-CoA dehydrogenase family.
细胞定位	Mitochondrion inner membrane.

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## 图片

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15% SDS-PAGE analysis of 3µg ab98234

SDS-PAGE - Recombinant Human ACADVL/VLCAD protein (ab98234)

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

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