

Product datasheet

Recombinant Human ACADVL / VLCAD protein ab98234

1 图像

概述

产品名称	重组人ACADVL / VLCAD蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Escherichia coli
氨基酸序列	
Accession	P49748
种属	Human

序列

MGSSHHHHHHSSGLVPRGSHMAGGAAQLALDKSDSHP
SDALTRKKPAKAE
SKSFAVGMFKGQLTTDQVFPYPSVLNEEQTQFLKELVEPV
SRFFEEVNDP
AKNDALEMVEETTQGLKELGAFGLQVPSELGGVGLCNTQ
YARLVEIVGM
HDLGVGITLGAHQSIGFKGILLFGTKAQKEKYLPKLASGE
TVAAFCLTEP
SSGSDAASIRTSAVPSPCGKYITLNGSKLWISNGGLADIF
TVFAKTPVTD
PATGAVKEKITA FVVERGFGGITHGPPEKMGIKASNTAE
VFFDGV RVPS
ENVLGEVSGFKVAMHILNNGRFGMAAALAGTMRGIIAKA
VDHATNRTQF
GEKIHNFGLIQEKLARMVMLQYVTESMAYMVSANMDQGAT
DFQIEAAISK
IFGSEAAWKVTDECIQIMGGMGFMKEPGVERVLRDLRIFR
IFEGTNDILR
LFVALQGCMDKGKEL SGLGSALKNPFNAGLLLGEAGKQL
RRRAGLGSGL
SLSGLVHPELSRSGELAVRALEQFATVVEAKLIKHKKGIV
NEQFLLQRLA
DGAIDL YAMVVVLSRASRSLSEGHPTAQHEKMLCDTWICIE
AAARIREGMA
ALQSDPWQQELYRNFKSISKALVERGGVVTSNPLGF

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

技术指标

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
纯度	> 90 % SDS-PAGE. ab98234 was purified using conventional chromatography techniques.
形式	Liquid
补充说明	Previously labelled as ACADVL.

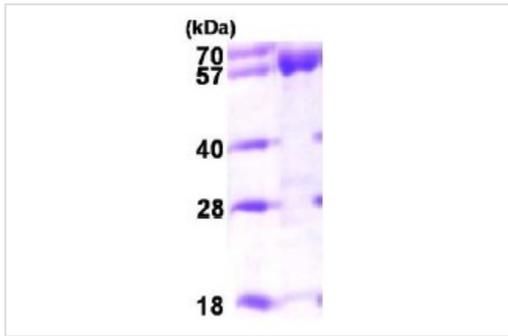
制备和贮存

稳定性和存储	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: 0.0154% DTT, 0.316% Tris HCl, 0.0292% EDTA, 10% Glycerol, 0.58% Sodium chloride
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常规信息

功能	Active toward esters of long-chain and very long chain fatty acids such as palmitoyl-CoA, mysritoyl-CoA and stearoyl-CoA. Can accomodate 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.

图片



15% SDS-PAGE analysis of 3µg ab98234

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

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