

Product datasheet

Recombinant Human ACADVL protein ab98234

1 图像

概述

产品名称	Recombinant人ACADVL protein
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	MGSSHHHHHSSGLVPRGSHMAGGAAQLALDKSDSHPSDALTRKKPAKAE SKSFAVGMFKGQLTTDQVFPYPSVLNNEEQTQFLKELVEPVSRFFEEVNDP AKNDALEMVEETTWQGLKELGAFGLQVPSELGGVGLCNTQYARLVEIVGM HDLGVGITLGAHQSIGFKGILLFGTKAQKEKYLPKLASGETVAAFCLTEP SSGSDAASIRTSAPVSPCGKYYTLNGSKLWISNGGLADIFTVFAKTPVTD PATGAVKEKITAFVVERGFGGITHGPPEKKMGIKASNTAEVFFDGVRVPS ENVLGEVSGFKVAMHILNNGRFGMAAALAGTMRGIIAKAVDHATNRTQF GEKIHNFGLIQEKLARMVMLQYVTESMAYMVSANMDQGATDFQIEAAISK IFGSEAAWKVTDECIQIMGGMGFMKEPGVERVLRDLRIFRIFEGTNDILR LFVALQGCMDKGKELSGLSALKNPFGNAGLLLGEAGKQLRRRAGLGSGL SLSGLVHPELSRSGELAVRALEQFATVVEAKLIKHKKGIVNEQFLLQRLA DGAIDLAMVVVLSRASRSLSEGHPTAQHEKMLCDTWCIEAAARIREGMA ALQSDPWQELYRNFKSISKALVERGGVVTSNPLGF
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
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纯度 > 90 % SDS-PAGE.
ab98234 was purified using conventional chromatography techniques.

形式 Liquid

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.

Preservative: None
Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM EDTA, 1mM DTT, pH 8.0

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.

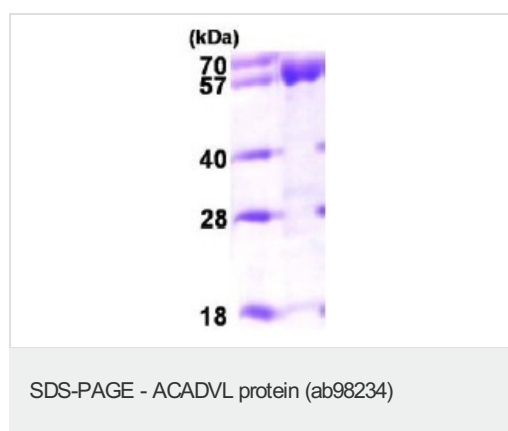
通路 Lipid metabolism; mitochondrial fatty acid beta-oxidation.

疾病相关 Defects in ACADVL are the cause of acyl-CoA dehydrogenase very long chain deficiency (ACADVL) [MIM:201475]. ACADVL 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

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