

ACADVL, 41-655aa, Human, His tag, E.coli

Cat.NO.: TP01029

3th Edition

Synonyms:Very long-chain specific acyl-CoA dehydrogenase, mitochondrial; ACAD6; LCACD; VLCAD.

Description:ACADVL, also known as VLCAD, LCACD or ACAD6, is an inner mitochondrial membrane protein that belongs to the family of acyl-CoA dehydrogenases. This protein is involved in lipid metabolism and has catalytic activity toward esters of long chain and very long chain fatty acids such as palmitoyl-CoA and stearoyl-CoA, and functions in the first step of the fatty acid β -oxidation pathway.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol 1mM DTT, 1mM EDTA, 0.1M NaCl.

Molecular Weight:68.5 kDa (636aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMAGGAAQLALDKSDSHPSDALTRKKPAKAESKSFVGMFKGQLTTDQVFPYPSV
LNEEQTQFLKELVEPVSRFFEEVNDPAKNDALMVEETTQQLKELGAFGLQVPSELGGVGLCNTQYARLVEIVG
MHDLGVGITLGAHQSIGFKGILLFGTKAQKEKYLPLASGETVAAFCLTEPSSGSDAASIRTSAPVSPCGKYITLNGS
KLWISNGGLADIFTVFAKTPVTDPATGAVKEKITAFVVERGFGGITHGPPEKKMGIKASNTAEVFFDGVVRVPSENVL
GEVSGSGFKVAMHILNNGRFGMAAALAGTMRGIIAKAVDHATNRTQFGEKIHNFGLIQEKLARMVMLQYVTESMAYM
VSANMDQGATDFQIEAAISKIFGSEAAWKVTDECIQIMGGMGFMKEPGVERVLRDLRIFRIFEGTNDILRLFVALQGC
MDKGKELSGLSALKNPFGNAGLLLGEAGQLRRRAGLGSGLSLSGLVHPELSRSGELAVRALEQFATVVEAKLIK
HKKGIVNEQFLLQRLADGAIDLYAMVVVLSRASRSLSEGHPTAQHEKMLCDTWCIEAAARIREGMAALQSDPWQQ
ELYRNFKSISKALVERGGVVTSNPLGF

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.