

Product datasheet for TP509811

Acadvl (NM_017366) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse acyl-Coenzyme A dehydrogenase, very long chain (Acadvl), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR209811 protein sequence
Red=Cloning site **Green**=Tags(s)

MQSARMTPSVGRQLLRGARSSTTVLQGQPRPISAQRLYAREATQAVLDKPETLSSDASTREKPARAE
SKSFAVGMFKGQLTIDQVFPYPSVLSEEQAQFLKELVGPVVARFFEEVNDPAKNDALEKVEDDTLQGLKEL
GAFGLQVPSELGGLSNTQYARLAEIVGMHDLGVSVTLGHAHQSIGFKGILLYGTKAQREKYLPRVASGQ
ALAAFCLTEPSSGSDVASIRSSAIPSPCGKYITLNGSKIWISNGGLADIFTVFAKTPIKDAATGAVKEKI
TAFVVERSFGGVTHGLPEKKMGIKASNTSEVYFDGVKVPSENVLGEVGDGFKVAVNILNNGRFGMAATLA
GTMKSLIAKAVDHATNRTQFGDKIHNFVQIEKLARMALQYVTESMAYMLSANMDQGFKDFQIEAAISK
IFCSEAAWKVADECIQIMGGMGFMKEPGVERVLRDIRIFRIFEGANDILRLFVALQGCMDKGKELTGLGN
ALKNPFGNVLLMGEAGKQLRRRTGIGSGLSLSGIVHPELSRSGELAVQALDQFATVVEAKLVKHKKGIV
NEQFLLQRLADGAIDLYAMVWLSRASRSLSEGYPTAQHEKMLCDSWCIEAATRIENMASLQSSPQHQE
LFRNFRSISKAMVENGGLVTGNPLGI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 70.9 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_059062](#)

Locus ID: 11370

UniProt ID: [P50544](#)

RefSeq Size: 2205

Cytogenetics: 11 42.96 cM

RefSeq ORF: 1971

Synonyms: VL; vlcad

Summary: This gene encodes a homodimeric mitochondrial flavoprotein and is a member of the acyl-CoA dehydrogenase family. Members of this family catalyze the first step of fatty acid beta-oxidation, forming a C2-C3 trans-double bond in a FAD-dependent reaction. As beta-oxidation cycles through its four steps, each member of the acyl-CoA dehydrogenase family works at an optimum fatty acid chain-length. This enzyme has its optimum length between C16- and C20-acylCoA and localizes to the inner mitochondrial membrane (unlike related acyl-CoA dehydrogenases). In mice, deficiency of this gene can cause ventricular arrhythmias as well as fasting and cold intolerance. [provided by RefSeq, Nov 2012]