

Product datasheet for **TP305849M**

ACADVL (NM_001033859) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human acyl-Coenzyme A dehydrogenase, very long chain (ACADVL), nuclear gene encoding mitochondrial protein, transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205849 protein sequence Red=Cloning site Green=Tags(s)

MQAARMAASLGRQLLRLLGGSSRLTALLGQPRPGPARRPYAGGAAQESKSFVGMFKGQLTTDQVFPYPS
VLNEEQTQFLKELVEPVSRRFFEEVNDPAKNDALEMVEETTWQGLKELGAFGLQVPSELGGVGLCNTQYAR
LVEIVGMHDLGVGITLGAHQSIGFKGILLFGTKAQKEKYLPLASGETVAAFCLTEPSSGSDAASIRTS
VPSPCGKYITLNGSKLWISNGGLADIFTVFAKTPVTDPATGAVKEKITAFVVERGFGGITHGPPEKMG
KASNTAEVFFDGVVRVPSENVLGEVSGGFKVAMHILNNGRFGMAAALAGTMRGIIAKAVDHATNRTQFGEK
IHNFGLIQEKLARMVMLQYVTESMAYMVSANMDQGATDFQIEAAISKIFGSEAAWKVTDECIQIMGGMGF
MKEPGVERVLRDLRIFRIFEGTNDILRLFVALQGCMDKKGKELSGLSALKNPFNGAGLLLGEAGQLRRR
AGLGSGLSLSGLVHPELSRSGELAVRALEQFATVVEAKLIKHKKGIVNEQFLQLRADGAIDLAMVVVL
SRASRSLSEGHPTAQHEKMLCDTWCIEAAARIREGMAALQSDPWQQELYRNFKSISKALVERGGVVTSNP
LGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	63.8 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001029031
Locus ID:	37
UniProt ID:	P49748
RefSeq Size:	2230
Cytogenetics:	17p13.1
RefSeq ORF:	1899
Synonyms:	ACAD6; LCACD; VLCAD
Summary:	The protein encoded by this gene is targeted to the inner mitochondrial membrane where it catalyzes the first step of the mitochondrial fatty acid beta-oxidation pathway. This acyl-Coenzyme A dehydrogenase is specific to long-chain and very-long-chain fatty acids. A deficiency in this gene product reduces myocardial fatty acid beta-oxidation and is associated with cardiomyopathy. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Fatty acid metabolism, Metabolic pathways

Product images:

Coomassie blue staining of purified ACADVL protein (Cat# [TP305849]). The protein was produced from HEK293T cells transfected with ACADVL cDNA clone (Cat# [RC205849]) using MegaTran 2.0 (Cat# [TT210002]).