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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ACADVL (Human) Recombinant Protein (P01)

Catalog Number: H00000037-P01

Regulation Status: For research use only (RUO)

Product Description: Human ACADVL full-length ORF (NP_000009.1, 1 a.a. - 655 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MQAARMAASLGRQLLRLLGGGSSRLTALLGQPRPGPARPYAGGAAQLALDKSDSHPSDALTRKPKAKAESKSF
AVGMFKGQLTTDQVFPYPSVLNNEEQTFLEKELVEPVSRFFEEVNDPAKNDALMVEETTQGLKELGAFGLQV
PSELGGVGLCNTQYARLVEIVGMHDLGVTGLGAHQSIGFKGILLFGTKAQKEKYLKPLASGETVAAFCLTEPSSG
SDAASIRTSAPVSPCGKYITLNGSKLWISNGGLADIFTVFAKTPVTDPATGAVKEKITAFVVERGFGGITHGPPEK
KMGIKASNTAEVFFDGVVRPSENVLGEVGSFKVAMHILNNGRFGMAAALAGTMRGIIAKAVDHATNRTQFGEKI
HNFGLIQEKLARMVMLQYVTESMAYMVSANMDQGATDFQIEAAISKIFGSEAAWKVTDECIQIMGGMGFMKEPG
VERVLRDLRIFRIFEGTNDILRLFVALQGCMDKKGKELSLGLSALKNPFNAGLLLGEAGQLRRRAGLGSGLSLS
GLVHPELSRSGELAVRALEQFATVVEAKLIKHKKGIVNEQFLQLRADGAILDYAMVVVLSRASRSLSEGHPTAQ
HEKMLCDTWCIEAAARIREGMAALQSDPWQQELYRNFKSISKALVERGGVVTSNPLGF

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 96.8

Interspecies Antigen Sequence: Mouse (84); Rat (85)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 37

Gene Symbol: ACADVL

Gene Alias: ACAD6, LCACD, VLCAD

Gene 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]

References:

1. Disorder of fatty acid metabolism in the kidney of PAN-induced nephrotic rats. Muroya Y, Ito O, Rong R, Takashima K, Ito D, Cao P, Nakamura Y, Joh K, Kohzumi M. *Am J Physiol Renal Physiol.* 2012 Oct;303(7):F1070-9. doi: 10.1152/ajprenal.00365.2011. Epub 2012 Aug 8.