

## Product datasheet for **KN204428LP**

### ACADVL Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	ACADVL
Locus ID:	37
Components:	<b>KN204428G1</b> , ACADVL gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN204428G2</b> , ACADVL gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN204428LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
Disclaimer:	These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.
RefSeq:	<a href="#">NM_000018</a> , <a href="#">NM_001033859</a> , <a href="#">NM_001270447</a> , <a href="#">NM_001270448</a>
UniProt ID:	<a href="#">P49748</a>
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]



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## Product images:

