

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:	KN204428G1 , ACADVL gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN204428G2 , ACADVL gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN204428LPD , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. GE100003 , scramble sequence in pCas-Guide vector
RefSeq:	NM_000018 , NM_001033859 , NM_001270447 , NM_001270448
UniProt ID:	P49748
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:

