Human ACADVL Knockdown Cell Lysate

Cat. No. ACADVL-017HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated ACADVL Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	70 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg ACADVL KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Fatty acid metabolism, Metabolic pathways
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	ACADVL acyl-CoA dehydrogenase, very long chain [Homo sapiens (human)]
Official Symbol	ACADVL
Synonyms	ACADVL; acyl-CoA dehydrogenase, very long chain; acyl Coenzyme A dehydrogenase, very long chain; very long-chain specific acyl-CoA dehydrogenase, mitochondrial; ACAD6; LCACD; VLCAD; acyl-Coenzyme A dehydrogenase, very long chain;
Gene ID	37
mRNA Refseq	NM_000018
Protein Refseq	NP_000009
MIM	609575
UniProt ID	P49748

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