9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

ACADSB Human

Acyl-CoA Dehydrogenase, Short Chain Human Recombinant
ENZ0015

Product Overview

Name	ACADSB Human
Description	
Acyl-CoA Dehydrogenase, Short Chain Human Recombinant	
Accession (Primary)	P45954
Synonyms	
ACAD6, LCACD, VLCAD.	
Introduction	
ACADVL is an inner mitochondrial membrane enzyme that is part of the family of acyl-CoA dehydrogenases. ACADVL protein participates in lipid metabolism and has catalytic activity toward esters of long chain and very long chain fatty acids such as palmitoyl-CoA and stearoyl-CoA, and is involved in the first step of the fatty acid ?-oxidation pathway. ACADVL deficiency in reduces myocardial fatty acid beta-oxidation and is related with cardiomyopathy.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The 0.5mg/ml protein solution contains 20mM Tris-HCl buffer pH-8, 1mM DTT, 1mM EDTA, 10% glycerol and 100mM NaCl.	
Stability	
Store ACADVL at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH M AGGAAQLAL DKSDSHPSDA LTRKKPAKAE SKSFAVGMFK GQLTTDQVFP YPSVLNEEQT QFLKELVEPV SRFFEEVNDP AKNDALEMVE ETTWQGLKEL GAFGLQVPSE LGGVGLCNTQ YARLVEIVGM HDLGVGITLG AHQSIGFKGI LLFGTKAQKE KYLPKLASGE TVAAFCLTEP SSGSDAASIR TSAVPSPCGK YYTLNGSKLW ISNGGLADIF TVFAKTPVTD PATGAVKEKI TAFVVERGFG GITHGPPEKK	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MGIKASNTAE VFFDGVRVPS ENVLGEVGSG FKVAMHILNN GRFGMAAALA GTMRGIIAKA VDHATNRTQF GEKIHNFGLI QEKLARMVML QYVTESMAYM VSANMDQGAT DFQIEAAISK IFGSEAAWKV TDECIQIMGG MGFMKEPGVE RVLRDLRIFR IFEGTNDILR LFVALQGCMD KGKELSGLGS ALKNPFGNAG LLLGEAGKQL RRRAGLGSGL SLSGLVHPEL SRSGELAVRA LEQFATVVEA KLIKHKKGIV NEQFLLQRLA DGAIDLYAMV VVLSRASRSL SEGHPTAQHE KMLCDTWCIE AAARIREGMA ALQSDPWQQE LYRNFKSISK ALVERGGVVT SNPLGF.

Precautions

ACADSB Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P45954)