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

ACADL Human

Acyl-CoA Dehydrogenase, Long Chain, Human Recombinant
ENZ0012

Product Overview

Name	ACADL Human
Description	
Acyl-CoA Dehydrogenase, Long Chain, Human Recombinant	
Accession (Primary)	P28330
Synonyms	
ACADM, ACAD1, CAD, MCADH, MCAD, EC=1.3.99.3, Medium-chain specific acyl-CoA dehydrogenase, mitochondrial, FLJ18227, FLJ93013, FLJ99884.	
Introduction	
ACADM enzyme is essential for the degradation a certain group of fats called medium-chain fatty acids. ACADM is essential for converting specific fatty acids to energy, mainly during fasting periods. ACADM functions in mitochondria, the energy-producing centers within cells. ACADM is localized in the mitochondria of numerous tissue types, predominantly the liver.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The ACADM (0.5mg/ml) protein solution containing 20mM Tris-HCl pH-7.5, 0.1M NaCl & 20% glycerol.	
Stability	
Store 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 KANRQREPG LGFSFEFTEQ QKEFQATARK FAREEIIPVA AEYDKTGEYP VPLIRRAWEL GLMNTHIPEN CGGLGLGTFD ACLISEELAY GCTGVQTAIE GNSLGQMPII IAGNDQQKKK YLGRMTEEPL MCAYCVTEPG AGSDVAGIKT KAEKKGDEYI INGQKMWITN GGKANWYFLL ARSDPDPKAP ANKAFTGFIV EADTPGIQIG RKELNMGQRC SDTRGIVFED VKVPKENVLI GDGAGFKVAM GAFDKTRPVV	

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AAGAVGLAQR ALDEATKYAL ERKTFGKLLV EHQAISFMLA EMAMKVELAR MSYQRAAWEV DSGRRNTYYA SIAKAFAGDI ANQLATDAVQ ILGGNGFNTE YPVEKLMRDA KIYQIYEGTS QIQRLIVARE HIDKYKN.

Precautions

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

Target Information: (P28330)