

Product datasheet for **AR50103PU-S**

ACADL (31-430, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	ACADL (31-430, His-tag) human protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGGEERLETP SAKKLTDIGI RRIFSPHDI FRKSVRFFFQ EEVIPHHSEW EKAGEVSREV WEKAGKQGLL GVNIAEHLGG IGGDLYSAAI VWEEQAYSNC SGPGFSIHSG IVMSYITNHG SEEQIKHFIP QMTAGKCI GA IAMTEPGAGS DLQGIKTNK KDGSWILNG SKVFISNGSL SDVIVVAVT NHEAPSAHG ISLFLVNGM KGFIKGRKLH KMGLKAQDTA ELFFEDIRLP ASALLGEENK GFYIMKELP QERLLIADVA ISASEFMFEE TRNYVKQRKA FGKTVAHLQT VQHKLAELKT HICVTRAFVD NCLQLHEAKR LDSATACMAK YWASELQNSV AYDCVQLHGG WGYMWEYPIA KAYVDARVQP IYGGTNEIMK ELIAREIVFD K
Tag:	His-tag
Predicted MW:	46.7 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 0.15M NaCl
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001599
Locus ID:	33
UniProt ID:	P28330
Cytogenetics:	2q34
Synonyms:	ACAD4; LCAD



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Summary:

The protein encoded by this gene belongs to the acyl-CoA dehydrogenase family, which is a family of mitochondrial flavoenzymes involved in fatty acid and branched chain amino-acid metabolism. This protein is one of the four enzymes that catalyze the initial step of mitochondrial beta-oxidation of straight-chain fatty acid. Defects in this gene are the cause of long-chain acyl-CoA dehydrogenase (LCAD) deficiency, leading to nonketotic hypoglycemia. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome

Protein Pathways:

Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway

Product images: