

Product datasheet for **AR50103PU-N**

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

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | ACADL (31-430, His-tag) human protein, 0.25 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGGEERLETP SAKKLTDIGI RRIFSPEHDI FRKSVRFFFQ EEVIPHHSEW EKAGEVSREV WEKAGKQGLL GVNIAEHLGG IGGDLYSAAI VWEEQAYSNC SGPGFSIHSG IVMSYITNHG SEEQIKHFIP QMTAGKCIGA IAMTEPGAGS DLQGIKTNK KDGSWILNG SKVFISNGSL SDVVIVAVT NHEAPSAHG ISLFLVENGM KGFIKGRKLH KMGLKAQDTA ELFFEDIRLP ASALLGEENK GFYYIMKELP QERLLIADVA ISASEFMFEE TRNYVKQRKA FGKTV AHLQT 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:

