

Product datasheet for TP306855L

OriGene Technologies, Inc.

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ACADS (NM 000017) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain

(ACADS), nuclear gene encoding mitochondrial protein, 1 mg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC206855 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MAAALLARASGPARRALCPRAWRQLHTIYQSVELPETHQMLLQTCRDFAEKELFPIAAQVDKEHLFPAAQ VKKMGGLGLLAMDVPEELGGAGLDYLAYAIAMEEISRGCASTGVIMSVNNSLYLGPILKFGSKEQKQAWV TPFTSGDKIGCFALSEPGNGSDAGAASTTARAEGDSWVLNGTKAWITNAWEASAAVVFASTDRALQNKSI SAFLVPMPTPGLTLGKKEDKLGIRGSSTANLIFEDCRIPKDSILGEPGMGFKIAMQTLDMGRIGIASQAL GIAQTALDCAVNYAENRMAFGAPLTKLQVIQFKLADMALALESARLLTWRAAMLKDNKKPFIKEAAMAKL

AASEAATAISHQAIQILGGMGYVTEMPAERHYRDARITEIYEGTSEIQRLVIAGHLLRSYRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 41.7 kDa

Concentration: $>0.05 \mu g/\mu L$ as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: <u>NP 000008</u>





Locus ID: 35

UniProt ID: P16219, E5KSD5

RefSeq Size: 1934

Cytogenetics: 12q24.31

RefSeq ORF: 1236

Synonyms: ACAD3; SCAD

Summary: This gene encodes a tetrameric mitochondrial flavoprotein, which is a member of the acyl-CoA

> dehydrogenase family. This enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Mutations in this gene have been associated with short-chain acyl-CoA dehydrogenase (SCAD) deficiency. Alternative splicing results in two variants which

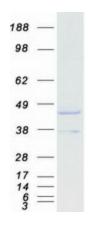
encode different isoforms. [provided by RefSeq, Oct 2014]

Protein Families: Druggable Genome

Protein Pathways: Butanoate metabolism, Fatty acid metabolism, Metabolic pathways, Valine, leucine and

isoleucine degradation

Product images:



Coomassie blue staining of purified ACADS protein (Cat# [TP306855]). The protein was produced from HEK293T cells transfected with ACADS cDNA clone (Cat# [RC206855]) using

MegaTran 2.0 (Cat# [TT210002]).