

Product datasheet for **TP306855M**

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, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206855 protein sequence Red =Cloning site Green =Tags(s)

MAAALLARASGPARRALCPRAWRLHTIYQSVELPETHQMLLQTCRDFAEKELFPAAQVQDKEHLFPAAQ
VKKMGGLGLLAMDVPEELGGAGLDYLAYAIAMEEISRGCASTGVIMSVNNSLYLGPILKFGSKEQKQAWV
TPFTSGDKIGCFALSEPNGSDAGAASTTARAEGDSWVLNGTKAWITNAWEASAAVFASTDRALQNKSI
SAFLVPMPTPGLTLGKKEDKLGIRGSSTANLIFEDCRIPKDSILGEPGMGFKIAMQTLDMGRIGIASQAL
GIAQTALDCAVNYAENRMAFGAPLTKLQVIQFKLADMALAESARLLTWRAAMLKDNKKPFIKEAAMAKL
AASEAATAISHQAIQILGGMGYVTEMPAERHYRDARITEIYEGTSEIQLRVIAGHLLRSYRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

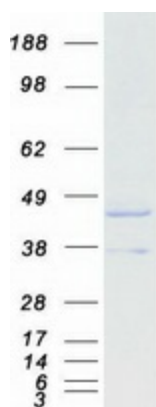
Tag:	C-Myc/DDK
Predicted MW:	41.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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>



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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]).