

## Product datasheet for **TP301096L**

### ACAA2 (NM\_006111) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human acetyl-Coenzyme A acyltransferase 2 (ACAA2), nuclear gene encoding mitochondrial protein, 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC201096 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MALLRGVFWAAKRTPFAYGGLLKDFATDLSEFAAKAALSAGKVSPETVDSVIMGNVLQSSSDAIYLA  
RHVGLRVGIPKETPALTINRLCGSGFQSIVNGCQEICVKEAEVWLCGGTESMSQAPYCVNRVRFGTKLGS  
DIKLEDSLWVSLTDQHVQLPMAMTAENLAVKHKISREEDKYALQSQQRWKAANDAGYFNDEMAPIEVKT  
KKGKQTMQVDEHARPQTTLQLKLPVFKKDGTVTAGNASGVADGAGAVIIASEDAVKKHNFPLARIV  
GYFVSGCDPSIMGIGPVAISGALKKAGLSLKDMDLVEVNEAFAPQYLAVERSLDLDISKTNVNGGAIAL  
GHPLGGSGSRITAHLVHELRRRGGKYAVGSACIGGGQGIIVIIQSTA

**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:** [NP\\_006102](#)



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Locus ID:	10449
UniProt ID:	<a href="#">P42765</a> , <a href="#">B3KNP8</a>
RefSeq Size:	1952
Cytogenetics:	18q21.1
RefSeq ORF:	1191
Synonyms:	DSAEC
Summary:	The encoded protein catalyzes the last step of the mitochondrial fatty acid beta-oxidation spiral. Unlike most mitochondrial matrix proteins, it contains a non-cleavable amino-terminal targeting signal. [provided by RefSeq, Jul 2008]
Protein Pathways:	Fatty acid elongation in mitochondria, Fatty acid metabolism, Metabolic pathways, Valine, leucine and isoleucine degradation

### Product images:



Coomassie blue staining of purified ACAA2 protein (Cat# [TP301096]). The protein was produced from HEK293T cells transfected with ACAA2 cDNA clone (Cat# [RC201096]) using MegaTran 2.0 (Cat# [TT210002]).