

Product datasheet for **TP306311M**

ACSS1 (NM_032501) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human acyl-CoA synthetase short-chain family member 1 (ACSS1), nuclear gene encoding mitochondrial protein, full length, with C-terminal MYC/DDK tag, expressed in HEK293 cells, 100 µg
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	>RC206311 protein sequence Red =Cloning site Green =Tags(s)

MAARTLGRGVGRLLGSLRGLSGQPARPPCGVSAPRRAASGPSGSAPAVAAAAAQPGSYPALSAQAAREPA
AFWGPLARDTLVWDTPTYHTVWDCDFSTGKIGWFLGGQLNVSVNCLDQHVRKSPESVALIWERDEPGTEVR
ITYRELLETTCLANTLKRHGVHRGDRVAIYMPVSPLAVAAMLACARIGAVHTVIFAGFSAESLAGRIND
AKCKVITFNQGLRGGRVVELKKIVDEAVKHCPTVQHVLVAHRTDNKVHMGDLDPLEQEMAKEDPVCAP
ESMGSEDMLFMLYTSGSTGMPKGIVHTQAGYLLYAALHKLVDHQPGDIFGCVADIGWITGHSYVYGP
LCNGATSVLFESTPVYPNAGRYWETVERLKINQFYGAPTAVRLLKYGDAWVKYDRSSLRTLGSVGEPI
NCEAWEWLHRVVGDSRCTLVDTWWQTETGGICAPRSEEGAEILPAMAMRPFPGVIVLMDKGSVMMEG
SNVSGALCISQAWPGMARTIYGDHQRFDAYFKAYPGYFTGDGAYRTEGGYQITGRMDDVINISGHRL
GTAEIEDAIADHPAVPESAVIGYPHDIKGEAAFAFIVKDSAGDSVWVQELKSMVATKIAKYAVPDEIL
VVKRLPKTRSGKVMRLLRKIITSEAQELGDTTLEDPSSIAEILSVYQKCKDKQAAAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

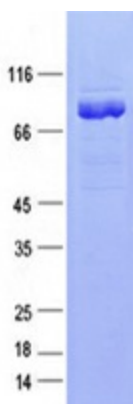
Tag:	C-Myc/DDK
Predicted MW:	71.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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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_115890
Locus ID:	84532
UniProt ID:	Q9NUB1
RefSeq Size:	3692
Cytogenetics:	20p11.21
RefSeq ORF:	2067
Synonyms:	ACAS2L; ACECS1; AceCS2L
Summary:	This gene encodes a mitochondrial acetyl-CoA synthetase enzyme. A similar protein in mice plays an important role in the tricarboxylic acid cycle by catalyzing the conversion of acetate to acetyl CoA. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]
Protein Pathways:	Glycolysis / Gluconeogenesis, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism

Product images:



Coomassie blue staining of purified ACSS1 protein (Cat# [TP306311]). The protein was produced from HEK293T cells transfected with ACSS1 cDNA clone (Cat# [RC206311]) using MegaTran 2.0 (Cat# [TT210002]).