

## Product datasheet for **TP304260M**

### Acetyl CoA synthetase (ACSS2) (NM\_018677) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human acyl-CoA synthetase short-chain family member 2 (ACSS2), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204260 protein sequence Red=Cloning site Green=Tags(s)

MGLPEERVRSRSGSRGQEEAGAGGRARSWSPPPEVSRSAHVPSLQRYRELHRRSVEEPREFWGDIAKEYF  
 WKTPCPGPFRLRYNFDVTKGKIFIEWMKGATTNICYNVLDNRNVHEKKLGDKVAFYWEGNEPGETTQITYHQ  
 LLVQVCQFSNVLKQGIQKGDRAIYMPMIPELVVAMLACARIGALHSIVFAGFSSSESLCERILDSSCSL  
 LITTDAYRGEKLVNLKELADEALQKCEKGFVPRCCIVVKHLGRAELGMGDSTSQSPPIKRSCPVDVQIS  
 WNQGIDLWWHELMQEAGDECEPEWCDAEDPLFILYTSGSTGKPKGVHTVGGYMLYVATTFKYVDFHAE  
 DVFWCTADIGWITGHSYVTYGPLANGATSVLFEGIPTYPDVNRLWSIVDKYKVTKFYTAPTAIRLLMKFG  
 DEPVTKHSRASLQVLGTVGEPINPEAWLWYHRVGAQRCPVDTFWQTETGGHMLTPLPGATPMKPGSAT  
 FPFVGVAPAILNESGEELEGEAEGYLVFKQPWPGIMRTVYGNHERFETTYFKKFGYYVTGDGCQRDQDG  
 YYWITGRIDDMLNVSGHLLSTAEVESALVEHEAVAEAAVVGHPHPVKGECLYCFFTLCDGHTFSPKLT  
 LKKQIREKIGPIATPDYIQNAPGLPKTRSGKIMRRVLRKIAQNDHDLGDMSTVADPSVISHLFSHRCLTI  
 Q

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

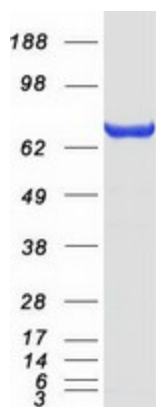
Tag:	C-Myc/DDK
Predicted MW:	78.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_061147</a>
<b>Locus ID:</b>	55902
<b>UniProt ID:</b>	<a href="#">Q9NR19</a> , <a href="#">Q6DKJ3</a>
<b>RefSeq Size:</b>	2988
<b>Cytogenetics:</b>	20q11.22
<b>RefSeq ORF:</b>	2103
<b>Synonyms:</b>	ACAS2; ACECS; AceCS1; ACS; ACSA; dj1161H23.1
<b>Summary:</b>	This gene encodes a cytosolic enzyme that catalyzes the activation of acetate for use in lipid synthesis and energy generation. The protein acts as a monomer and produces acetyl-CoA from acetate in a reaction that requires ATP. Expression of this gene is regulated by sterol regulatory element-binding proteins, transcription factors that activate genes required for the synthesis of cholesterol and unsaturated fatty acids. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2009]
<b>Protein Pathways:</b>	Glycolysis / Gluconeogenesis, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism

### Product images:



Coomassie blue staining of purified ACSS2 protein (Cat# [TP304260]). The protein was produced from HEK293T cells transfected with ACSS2 cDNA clone (Cat# [RC204260]) using MegaTran 2.0 (Cat# [TT210002]).