

## Product datasheet for **TP313310L**

### ACSM4 (NM\_001080454) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human acyl-CoA synthetase medium-chain family member 4 (ACSM4), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213310 representing NM_001080454 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MKIFFRYQTFRFIWLTKPPGRRLLHKDHQLWTPPLTLADFEAINRCNRPLPKNFNFAADVLDQWSQKEKTGE  
RPNPALWWVNGKGDEVKWSFRELGSLSRKAANVLTKPCGLQRGDRLAVILPRIPEWWLVNVACIRTGII  
FMPGTIQLTAKDILYRLRASKAKCIVASEEVAPAVESIVLECPDLKTKLLVSPQSWNGWLSFQELQFAS  
EEHSCVETGSQEPMTIYFTSGTTGFPKMAQHSQSLSLIGFTLCGRYWLDLKSSDIWNMSDTGWVKAAG  
SVFSSWLCGACVHVHRMAQFDTDFTLDTLTTYPITLCSPTVYRMLVQKDLKRYKFKSLRHCLTGGEPL  
NPEVLEQWRVQTGLELYEGYQTEVGMICANQKGQEIKPGSMGKGMPLPYDVQIIDENGNVLPKGKEGEIA  
LRLKPTRPFCFFSKYVDNPQKTAATIRGDFVVTGDRGVMDSGDFWVGRADDVISSGYRIGPFEVESA  
LIEHPAVVESAVVSSPDQIRGEVVKAFVFLAAPFKSYNPEKLTLELQDHVKKSTAPYKYPRKVEFVQELP  
KTITGKIKRNVLRDQEWGR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

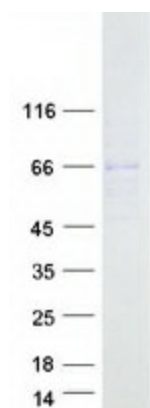
Tag:	C-Myc/DDK
Predicted MW:	65.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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<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_001073923</a>
<b>Locus ID:</b>	341392
<b>UniProt ID:</b>	<a href="#">P0C7M7</a>
<b>RefSeq Size:</b>	1743
<b>Cytogenetics:</b>	12p13.31
<b>RefSeq ORF:</b>	1740
<b>Summary:</b>	Has medium-chain fatty acid:CoA ligase activity with broad substrate specificity (in vitro). Acts on acids from C(4) to C(11) and on the corresponding 3-hydroxy- and 2,3- or 3,4-unsaturated acids (in vitro) (By similarity).[UniProtKB/Swiss-Prot Function]
<b>Protein Pathways:</b>	Butanoate metabolism, Metabolic pathways

### Product images:



Coomassie blue staining of purified ACSM4 protein (Cat# [TP313310]). The protein was produced from HEK293T cells transfected with ACSM4 cDNA clone (Cat# [RC213310]) using MegaTran 2.0 (Cat# [TT210002]).