

Product datasheet for **TP313310M**

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), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213310 representing NM_001080454 Red =Cloning site Green =Tags(s)

MKIFFRYQTFRFIWLTKPPGRRLLHKDHLWTPPLTADFEAINRCNRPLPKNFNFAADVLDQWSQKEKTGE
RPNPALWWVNGKGDEVKWSFRELGSLSRKAANVLTKPCGLQRGDR LAVILPRIPEWWLVNVACIRTGII
FMPGTIQLTAKDILYRLRASKAKCIVASEEVAPAVESIVLECPDLKTKLLVSPQSWNGWLSFQELQFAS
EEHSCVETGSQEPMTIYFTSGTTGFPKMAQHSQSLSLIGFTLCGRYWLDLKSSDIWNMSDTGWVKAAG
SVFSSWLCGACV FVHRMAQFDTDFTLDTLTTYPITLCSPTVYRMLVQKDLKRYKFKSLRHCLTGGEPL
NPEVLEQWRVQTGLELYEGYGQTEVGMICANQKGQEI KPGSMGKGMPLPYDVQIIDENGNVLP PGKEGEIA
LRLKPTRPFCFFSKYVDNPQKTAATIRGDFVYTGDRGVMDSG YFWVGRADDVISSGYRIGPFEVESA
LIEHPAVVESAVVSSPDQIRGEVVKAFV VLAAPFKSYNPEKLTLELQDHVVKSTAPYKYPRKVEFVQELP
KTITGKIKRNVLRDQEWGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

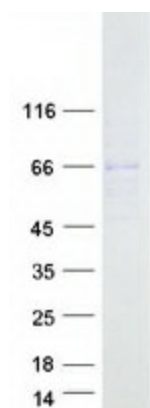
Tag:	C-Myc/DDK
Predicted MW:	65.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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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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_001073923
Locus ID:	341392
UniProt ID:	P0C7M7
RefSeq Size:	1743
Cytogenetics:	12p13.31
RefSeq ORF:	1740
Summary:	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]
Protein Pathways:	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]).