

## Product datasheet for **TP309798M**

### ACSM5 (NM\_017888) Human Recombinant Protein

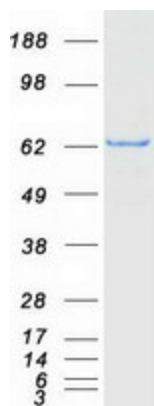
#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human acyl-CoA synthetase medium-chain family member 5 (ACSM5), 100 µg   |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC209798 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)  |
|                                       | MRPWLRHLVLQALRNSRAFCGSHGKPAPLPVPQKIVATWEAISLGRQLVPEYFNFAHDVLDVWSRLEEAG<br>HRPPNPAFWVWNGTGAEIKWSFEELGKQSRKAANVLGGACGLQPGDRMMLVLPRLPEWWLVSVACMRTGT<br>VMIPGVTQLTEKDLKYRLQASRAKSIITSDSLAPRVDISAECPSLQTKLLVSDSSRPGWLNFRELLREA<br>STEHNCMRTKSRDPLAIYFTSGTTGAPKMVEHSQSSYGLGFVASGRRWVALTESDIFWNTTDTGWVKA<br>TLFSAWPNGSCIFVHELPRVDAKVLNLTLSKFPITTLCCVPTIFRLLVQEDLTRYQFQSLRHCLTGGEAL<br>NPDVREKWKHQGTGVELYEGYGQSETVICANPKGMKIKSGSMGKASPPYDVQIVDDEGNVLPPEGEEGNVA<br>VRIRPTRPFCFFNCYLDNPEKTAASEQGFYITGDRARMDKDG YFWFMGRNDDVINSSSYRIGPVEVES<br>LAEHPAVLESAAVSSPDPPIRGEVVKAFIVLTPAYSSHDEALRELQEHVKRVTAPYKYPRKVA<br>KTVSGKIQRSKLRSQEWGK |
|                                       | <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>  |
| Tag:                                  | C-Myc/DDK   |
| Predicted MW:                         | 64.6 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.   |



[View online »](#)

|                          |  |
|--------------------------|--|
| <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_060358</a>  |
| <b>Locus ID:</b>         | 54988  |
| <b>UniProt ID:</b>       | <a href="#">Q6NUN0</a>   |
| <b>RefSeq Size:</b>      | 2428   |
| <b>Cytogenetics:</b>     | 16p12.3  |
| <b>RefSeq ORF:</b>       | 1737   |
| <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 ACSM5 protein (Cat# [TP309798]). The protein was produced from HEK293T cells transfected with ACSM5 cDNA clone (Cat# [RC209798]) using MegaTran 2.0 (Cat# [TT210002]).