

# Recombinant Human ACSM5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ACSM5-1282H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	ACSM5 MS Standard C13 and N15-labeled recombinant protein (NP_060358) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</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).
<b>Molecular Mass</b>	64.7 kDa
<b>AA Sequence</b>	MRPWLRHLVLQALRNSRAFCGSHGKPAPLPVPQKIVATWEAISLGRQLVPEYFNFA HDVLDVWSRLEEAGHRPPNPAFWVNGTGAEIKWSFEELGKQSRKAANVLGGAC GLQPGDRMMLVLPRLPEWWLVSVACMRTGTVMIPGVTQLTEKDLKYRLQASRAKSI ITSDSLAPRVDISAECPSLQTKLLVSDSSRPGWLNFRRELLREASTEHNCMRTKSRD PLAIYFTSGTTGAPKMVEHSQSSYGLGFVASGRRWVALTESDIFWNTTDTGWVKAA WTLFSAWPNGSCIFVHELPRVDAKVLNLTLSKFPITTLCCVPTIFRLLVQEDLTRYQFQ SLRHCLTGGEALNPDVREKWKHQGTGVELYEGYGQSETVICANPKGMKIKSGSMG KASPPYDVQIVDDEGNLPPGEEGNVAVRIRPTRPFCFFNCYLDNPEKTAASEQGD FYITGDRARMDKDG YFWFMGRNDDVINSSSYRIGPVEVESALAEHPAVLESAAVSS PDPIRGEVVKAFIVLTPAYSSHDPALRELQEHVKRVTAPYKYPRKVAFVSELPKTV

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SGKIQRSKLR SQEWGKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** ACSM5 acyl-CoA synthetase medium-chain family member 5 [ Homo sapiens (human) ]

**Official Symbol** ACSM5

**Synonyms** ACSM5; acyl-CoA synthetase medium-chain family member 5; acyl-coenzyme A synthetase ACSM5, mitochondrial; FLJ20581;

**Gene ID** 54988

**mRNA Refseq** NM\_017888

**Protein Refseq** NP\_060358

**MIM** 614361

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UniProt ID

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