

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

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

SPECIFICATION

Product Overview	ACSM5 MS Standard C13 and N15-labeled recombinant protein (NP_060358) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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).
Molecular Mass	64.7 kDa
AA Sequence	MRPWLRLHLVLQALRNSRAFCGSHGKPAPLPVPQKIVATWEAISLGRQLVPEYFNFA HDVLDVWSRLEEAGHRPPNPAFWVNGTGAEIKWSFEELGKQSRKAANVLGGAC GLQPGDRMMLVLPRLPEWWLVSVACMRTGTVMIPGVTQLTEKDLKYRLQASRAKSI ITSDSLAPRVDAISAECPQLTKLLVSDSSRPGWLNFRELLREASTEHNCMRTKSRD PLAIYFTSGTTGAPKMVEHSQSSYGLGFVASGRRWVALTESDIFWNTTDTGWVKAA WTLFSAWPNGSCIFVHELPRVDAKVILNTLSKFPITTLCCVPTIFRLLVQEDLTRYQFQ SLRHCLTGGEALNPDVREKWKHQGTGVELYEGYGQSETTVICANPKGMKIKSGSMG KASPPYDVQIVDDEGNVLPPEGEEGNVAVRIRPTRPFCFFNCYLDNPEKTAASEQGD FYITGDRARMDKDGFWFMGRNDDVINSSSYRIGPVEVESALAEHPAVLESAAVSS PDPIRGEVVKAFIVLTPAYSSHDPALRELQEHVKRVTAPYKYPRKVAFVSELPKTV

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SGKIQRSKLRSQEWGKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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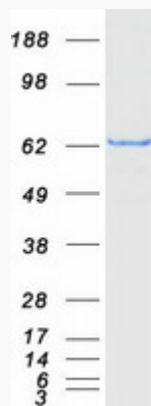
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UniProt ID

Q6NUN0

SDS-PAGE



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