

Recombinant Human ACSM2B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ACSM2B-1772H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ACSM2B MS Standard C13 and N15-labeled recombinant protein (NP_872423) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Catalyzes the activation of fatty acids by CoA to produce an acyl-CoA, the first step in fatty acid metabolism. Capable of activating medium-chain fatty acids (e.g. butyric (C4) to decanoic (C10) acids), and certain carboxylate-containing xenobiotics, e.g. benzoate.
Molecular Mass	64.1 kDa
AA Sequence	MHWLRKVQGLCTLWGTQMSSRTLYINSRQLVSLQWGHQEVPKFNFASDVLDHW ADMEKAGKRLPSPALWWVNGKGKELMWNFRELSSENSQQAANVLSGACGLQRGD RVAVMLPRVPEWWLVILGCIRAGLIFMPGTIQMKSTDILYRLQMSKAKAIVAGDEVIQ EVDTVASECPSLRIKLLVSEKSCDGWLNFKKLLNEASTTHHCVETGSQEASAIYFTS GTSGLPKMAEHSYSSLGLKAKMDAGWTGLQASDIMWTISDTGWILNILGSLLESWT GACTFVHLLPKFDPLVILKTLSSYPIKSMMGAPIVYRMLLQQDLSSYKFPHLQNCLAG GESLLPETLENWRAQTGLDIREFYGQTETGLTCMVSKTMKIKPGYMGTAASCYDVQ VIDDKGNVLPPGTEGDIGIRVKPIRPIGIFSGYVENPDKTAANIRGDFWLLGDRGIKDE DGYFQFMGRADDIINSSGYRIGPSEVENALMKHPAVVETAVISSPDPVRGEVVKAFVI

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LASQFLSHDPEQLTKELQQHVKSVTAPYKYPRKIEFVLNLPKTVTGKIQRTKL RDKE
WKMSGKARAQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 ACSM2B acyl-CoA synthetase medium-chain family member 2B [Homo sapiens (human)]

Official Symbol ACSM2B

Synonyms ACSM2B; acyl-CoA synthetase medium-chain family member 2B; ACSM2, acyl CoA synthetase medium chain family member 2; acyl-coenzyme A synthetase ACSM2B, mitochondrial; HXMA; HYST1046; xenobiotic/medium chain fatty acid:CoA ligase; butyrate--CoA ligase 2B; butyryl-coenzyme A synthetase 2B; middle-chain acyl-CoA synthetase 2B; xenobiotic/medium-chain fatty acid:CoA ligase; acyl-CoA synthetase medium-chain family member 2; xenobiotic/medium-chain fatty acid-CoA ligase HXM-A; ACSM2;

Gene ID 348158

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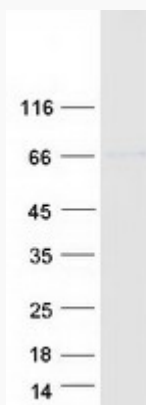
mRNA Refseq NM_182617

Protein Refseq NP_872423

MIM 614359

UniProt ID Q68CK6

SDS-PAGE



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