

Product datasheet for **SC317120**

ACSM2B (NM_001105069) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACSM2B (NM_001105069) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACSM2B
Synonyms:	ACSM2; HXMA; HYST1046
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC317120 representing NM_001105069.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCATTGGCTGCGAAAAGTTCAGGGACTTGCACCCTGTGGGTACTCAGATGTCCAGCCGCACTCTC
TACATTAATAGTAGGCAACTGGTGTCCCTGCAGTGGGGCCACCAGGAAGTGCCGGCCAAGTTTAACTTT
GCTAGTGATGTGTTGGATCACTGGGCTGACATGGAGAAGGCTGGCAAGCGACTCCCAAGCCAGCCCTG
TGGTGGGTGAATGGGAAGGGGAAGGAATTAATGTGGAATTTAGAGAAGTGAAGTGAAGACAGCCAGCAG
GCAGCCAACATCCTCTCGGGAGCCTGTGGCCTGCAGCGTGGGGATCGTGTGGCAGTGATGCTGCCCGA
GTGCCTGAGTGGTGGCTGGTGTCTGGGCTGCATTGAGCAGGTCTCATCTTTATGCCTGGAACCATC
CAGATGAAATCCACTGACATACTGTATAGGTTGCAGATGTCTAAGGCCAAGGCTATTGTTGCTGGGGAT
GAAGTCATCCAAGAAGTGGACACAGTGGCATCTGAATGTCCTTCTCTGAGAATTAAGCTACTGGTGTCT
GAGAAAAGCTGCGATGGGTGGCTGAACCTCAAGAACTACTAAATGAGGCATCCACCACTCATCACTGT
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GCAGAACATTCTACTCGAGCCTGGGCCTCAAGGCCAAGATGGATGCTGTTGGACAGGCCCTGCAAGCC
TCTGATATAATGTGGACCATATCAGACACAGGTTGGATACTGAACATCTTGGGCTCACTTTTGAATCT
TGGACATTAGGAGCATGCACATTTGTTTCATCTCTTGCCAAAGTTTGACCCACTGGTTATTCTAAAGACA
CTCTCCAGTTATCCAATCAAGAGTATGATGGGTGCCCTATTGTTTACCGGATGTTGCTACAGCAGGAT
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GCATTTGTGATCTGGCCTCGCAGTTCCTATCCCATGACCCAGAACAGCTACCAAGGAGCTGCAGCAG
CATGTGAAGTCAGTGACAGCCCATACAAGTACCAAGAAAGATAGAGTTTGTCTTGAACCTGCCAAG
ACTGTCACAGGGAAAATTCAACGAACAACTTCGAGACAAGGAGTGAAGATGTCCGAAAAGCCCGT
GCGCAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001105069

Insert Size: 1734 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001105069.1</u>
RefSeq Size:	2409 bp
RefSeq ORF:	1734 bp
Locus ID:	348158
UniProt ID:	<u>Q68CK6</u>
Cytogenetics:	16p12.3
MW:	64.3 kDa
Gene 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).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform.