

Product datasheet for **SC127016**

ACSM2B (NM_182617) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACSM2B (NM_182617) 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: >OriGene sequence for NM_182617 edited
 CTGAAGCTGTCTGCTTGAGTTACTGTGCTCTCTTCCAAGCTGTAGGAGTTCTGGAGCTGC
 TGGCTGGAGAGGAGGGTGGACGAAGCTCTCTCCAGAAAGACATCTGAGAGGACTTGGCA
 GGCCTGAACATGCATTGGCTGCGAAAAGTTCAAGGACTTTGCACCCTGTGGGTAAGTCA
 ATGTCCAGCCGCACTCTCTACATTAATAGTAGGCAACTGGTGTCCCTGCAGTGGGGCCAC
 CAGGAAGTTCGGCCAAGTTAACTTTGCTAGTGATGTGTTGGATCACTGGGCTGACATG
 GAGAAGGCTGGCAAGCGACTCCCAAGCCAGCCCTGTGGTGGTGAATGGGAAGGGGAAG
 GAATTAATGTGGAATTTAGAGAACTGAGTGAAAACAGCCAGCAGGCAGCCAACGTCCTC
 TCGGGAGCCTGTGGCCTGCAGCGTGGGGATCGTGTGGCAGTGATGCTGCCCCGAGTGCCT
 GAGTGGTGGCTGGTGATCCTGGGCTGCATTGAGCAGGTCTCATCTTTATGCCTGGAACC
 ATCCAGATGAAATCCACTGACATACTGTATAGTTGCAGATGTCTAAGGCCAAGGCTATT
 GTTGCTGGGGATGAAGTCATCAAGAAGTGACACAGTGGCATCTGAATGTCCTTCTCTG
 AGAATTAAGCTACTGGTGTCTGAGAAAAGCTGCGATGGGTGGTGAAGTCAAGAACTA
 CTAATGAGGCATCCACCACTCATCTGTGTGGAGACTGGAAGCCAGGAAGCATCTGCC
 ATCTACTTCACTAGTGGGACCACTGGTCTTCCCAAGATGCGAAGCATCTCTACTCGAGC
 CTGGGCCCTCAAGGCCAAGATGGATGCTGGTTGGACAGGCCTGCAAGCCTCTGATATAATG
 TGGACCATATCAGACACAGGTTGGATACTGAACATCTTGGGCTCACTTTTGAATCTTGG
 ACATTAGGAGCATGCACATTTGTTTCATCTCTTGCCAAAGTTTGACCCACTGGTTATTCTA
 AAGACACTCTCCAGTTATCCAATCAAGAGTATGATGGGTGCCCTATTGTTTACCGGATG
 TTGCTACAGCAGGATCTTCCAGTTACAAGTTCCTCCATCTACAGAACTGCCTCGCTGGA
 GGGGAGTCCCTTCTTCCAGAACTCTGGAGAACTGGAGGGCCAGACAGGACTGGACATC
 CGAGAATCTATGGCCAGACAGAAACGGGATTAAGTTCATGGTTTCAAGACAATGAAA
 ATCAAACCAAGGATACATGGGAACGGCTGCTTCTGTTATGATGTACAGGTATAGATGAT
 AAGGGCAACGTCCTGCCCCCGGCACAGAAGGAGACATTGGCATCAGGGTCAAACCCATC
 AGGCCTATAGGCATCTTCTCTGGCTATGTGAAAATCCCGACAAGACAGCAGCCAACATT
 CGAGGAGACTTTTGGCTCCTTGGAGACCGGGGAATCAAAGATGAAGATGGGTATTTCCAG
 TTTATGGGACGGGAGATGATATCATTAACTCCAGCGGGTACCGGATTGGACCCTCGGAG
 GTAGAGAATGCACTGATGAAGCACCTGCTGTGGTTGAGACGGCTGTGATCAGCAGCCCA
 GACCCCGTCCGAGGAGAGGTGGTGAAGGCATTTGTGATCCTGGCCTCGCAGTTCTATCC
 CATGACCCAGAACAGCTACCAAGGAGCTGCAGCAGCATGTGAAGTCAGTGACAGCCCA
 TACAAGTACCAAGAAAGATAGAGTTTGTCTTGAACCTGCCCAAGACTGTACAGGGAAA
 ATTCAACGAACCAAACTTCGAGACAAGGAGTGAAGATGTCCGAAAAGCCCGTGCAGCAG
 TGAGGCGTCTAGGAGACATTCATTTGGATTCCCTCTTCTTTCTTTTCCCTTTG
 GGCCCTTGGCCTTACTATGATGATATGAGATTCTTTATGAAAGAAAAAAAAAAAAAAAAA
 AAAAAA

Restriction Sites: Please inquire

ACCN: NM_182617

Insert Size: 2000 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).

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_182617.2, NP_872423.2</u>
RefSeq Size:	1995 bp
RefSeq ORF:	1734 bp
Locus ID:	348158
UniProt ID:	<u>Q68CK6</u>
Cytogenetics:	16p12.3
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 (1) represents the longest transcript.