

Product datasheet for MC217858

Acss1 (BC030930) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acss1 (BC030930) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acss1
Synonyms:	1110032015Rik; Acas2; Acas2l; AceCS2; A1788978
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC030930 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCAAGGAGGCCCTGTTTGCACCCCTGAGAGCATGAGCAGTGAAGACATGCTCTTTATGCTCTACA
CCTCAGGGAGCACCGGGACCCCAAGGGACTCGTTCATACACAGGCAGGCTATCTACTGTATGCCCCAT
GACGCACAAGCTCGTGTGGTACTACCAGCCAGGTGATGTCTTTGGCTGTGTGGCTGACATCGGTTGTATC
ACAGGACACAGCTATGTGGTGTATGGACCCCTCTGCAATGGAGCTACCACAGTCCTTTTGGAGACCC
CAGTTTACCCTGATGCTGGTCTACTGGGAGACAGTGCAGAGGCTAAAGATCAACCAGTTCTATGGTGC
CCCAGACGCTGTCCGGCTGCTGCTGAAGTATGGGGATGCCTGGGTGAAAAAGTATGACCGCTCTCCCTG
CGCACACTGGGGTCAGTGGGAGAGCCTATCAACCACGAAGCCTGGGAGTGGCTCCACAAAGTCGTGGGTG
ATGGCAGATGTACACTGGTGGACACTTGGTGGCAAACGGAAACTGGAGGCATCTGCATTGCACCAGGCC
CTCGGAAGATGGGGCAGAGATCCTCCCGGCATGGCCATGAGGCCGTTTTTGGCATCGTTCCTGTACTC
ATGGATGAGAAGGCAATGTTTTGGAGGGTGGAGATGTCTTGGGCCTTGTGTATTTCCAAGCTTGGC
CAGGCATGGCAAGGACCATCTATGGTGACCACCAGAGGTTTCGTAGATGCCTACTTCAGAGCGTACCAGG
TTATTACTTCACTGGAGACGGAGCTCACCGGACAGAGGGTGGCTATTACCAGATCACGGGGCGCATGGAT
GATGTCATCAATATCAGTGGTATCGCCTGGGGACTGCAGAGATTGAGGATGCAATGGCTGACCATCCCCG
CTGTTCCAGAGACTGCTGTCAATGGGTACCCTCATGATATCAAAGGAGAAGCTGCATTTGCCTTCATTGT
GCTGAAAGATAACATCAGTGATGAGAACATGGTAGTGAATGAACTCAAATTTGCGGTGGCCACCAAGATC
GCCAAGTATGCTGTCCCTGACCAGATCCTGGTGGTGAAGCGTCTCCCAAAACCAGATCTGGGAAAGTGA
TGAGGAGACTACTGAGGAAGATCATCACCAGCAGGGGACAGGATCTAGGGGACACCCTACCCTGGAGGA
CCCCAGCGTCATCACAGAAATCTTGAGTGCCTCCAGAAGTATGAAGAGCAGCGGGCTGCTACCAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	BC030930
Insert Size:	1260 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:	<ol style="list-style-type: none">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:	BC030930 , AAH30930
RefSeq Size:	2783 bp
RefSeq ORF:	1259 bp
Locus ID:	68738
Cytogenetics:	2 G3
Gene Summary:	Important for maintaining normal body temperature during fasting and for energy homeostasis. Essential for energy expenditure under ketogenic conditions. Converts acetate to acetyl-CoA so that it can be used for oxidation through the tricarboxylic cycle to produce ATP and CO(2).[UniProtKB/Swiss-Prot Function]