

Product datasheet for **SC112182**

ACSS3 (NM_024560) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACSS3 (NM_024560) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACSS3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC112182 sequence for NM_024560 edited (data generated by NextGen Sequencing)

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ATGAAACCGTCTTGGCTGCAGTGTCTGATAAGTCAACAGCGCCGGGGGCTCGGAGGGCCC
TTGCCTGGGTCTCTCCGGCCCGGGGAGCCGGTGCGGCCCTCAGGGCTTTAGTGGTCCCG
GGCCCCGGGGCGGTCTCGGGGGCCGGGATGCAGGGCACTGTCTCCGGCAGTGGCAGC
GAGTACAAGACCACTTCGCAGCCTCGGTGACCGACCCCGAGAGGTTCTGGGCAAAAGT
GCCGAGCAGATCAGCTGGTACAAGCCCTGGACCAAAACGCTGGAGAACAACACTCGCCC
TCTACCAGGTGGTTTGTGGAAGGAATGCTTAACATTTGTTACAATGCCGTTGATCGTCAT
ATTGAAAATGGTAAAGGGGATAAGATTGCTATCATCTATGACAGTCTGTACAAACACT
AAAGCAACCTTTACCTATAAAGAAGTTCTGGAGCAGGTCTCCAAGCTGGTGGTGTCTTG
GTCAAGCATGGCATCAAGAAAGGTGACTGTGGTTATCTACATGCCTATGATCCACAG
GCGATGTATACCATGTTGGCATGTGCAAGGATAGGTGCCATCCACAGTCTCATATTTGGA
GGATTTGCTTCCAAGAAGTAAGTAGTCGATTGATCATGTAAGCCCAAGGTGGTTGTT
ACAGCATCATTTGGCATTGAACCTGGAAGGAGGGTAGAGTACGTACCACTGTAGAAGAA
GGCTAAAAATAGACAACACAAACCAGACAAAATTCTCATTTATAATCGTCCAAATATG
GAGCGGTTCCCTTTGGCTCCCGGTCGTGACCTTGATTGGGATGAAGAGATGGCAAAAGCC
CAGTCACATGACTGTGTTCTGTTCTTTAGAACACCCACTGTATATTCTTTACACATCT
GGCACAACGGGGTTACCTAAGGGTGTGATTAGGCCACTGGGGGATACGCTGTCATGCTA
CACTGGTCAATGTCTTCCATATACGGACTTCAACCCGGAGAGGTGTGGTGGGCGAGCTTCT
GACTTAGGCTGGGTTGTTGGACATTCTATATCTGCTATGGACCTCTTCTCATGGGAAC
ACAACAGTTTTATAGAGGGGAAGCCTGTGGGAACACCAGATGCTGGCGCTTATTTCCGT
GTGCTTGACAGAGCATGGAGTAGCTGCCTTGTGTTACAGCACCAACTGCAATTAGAGCAATC
GTCAACAGGACCCTGGGGCAGCTTTGGGAAGCAGTACTCTCTGACAAGGTTCAAAACA
TTATTTGGCTGGAGAACGATGTGATGTAGAGACCCTGGAATGGTCCAAAAATGTCTTC
AGAGTACCTGTCTTAGACCATTGGTGGCAAACTGAGACTGGATCTCCAATTACTGCGTCA
TGTGTTGGATTAGGCAATTCTAAAACACCTCCACCAGGGCAAGCAGGAAAAAGCGTCCCA
GGATACAATGTTATGATTTGGATGACAACATGCAAAAACCTGAAGGCTCGGTGTTTAGGA
AATATTGGTAAAGTTACCATTGCCACCTGGGGCTTTTTAGGACTCTGGAAGAATCAG
GAAGCATTCAAGCATTTATACTTTGAAAAATTTCTGGATATTATGATACCATGGATGCT
GGTTACATGGATGAAGAAGGCTATTTGTATGTTATGTCTCGAGTGGATGATGTAATAAAT
GTTGCAGGTCACAGAATTTCTGCAGGCGCCATTGAAGAGTCAATCCTTTCCCATGGTACC
GTGGCAGACTGTGCTGTTGTTGGCAAGGAAGATCCCTTAAAAGGTCATGTCCCCTTAGCA
CTCTGTGTATTGAGAAAAGATATAAATGCAACAGAGGAGCAAGTTTTGGAAGAAATTGTG
AAACACGTTAGACAGAACATTGGCCCTGTGGCTGCTTTTGGAAATGCAAGTGTGTTGTCAAA
CAGCTACCCAAAACAGATCTGGCAAGATCCCCGATCAGCTTTATCTGCCATTGTCAAT
GGCAAGCCATACAAGATAACTTCTACAATTGAAGACCCAGCATTTTTGGCCACGTAGAA
GAAATGCTGAAGCAAGCATAA
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Clone variation with respect to NM_024560.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024560 unedited
 TGTTANAATTTGTATACGACTACTATAGGCGGCCGCAATTCGCACGAGGCGGGGACCG
 CGGGTGGCCGGAGGAGATGAAACCGTCTTGGCTGCAGTGTTCGTAAGTCAACAGCGCCGG
 GGGGCTCGGAGGGCCCTTGCCTGGTCTCTCCGGCCGGGGAGCCGGTGCAGGCTCAG
 GGCTTTAGTGGTCCCGGGCCCGGGGCGGTCTCGGGGCGGGGATGCAGGGCACTGTC
 CTCCGGCAGTGGCAGCGAGTACAAGACCCACTTCGACGCTCGGTGACCGACCCGAGAG
 GTTCTGGGGCAAAGCTGCCGAGCAGATCAGCTGGTACAAGCCCTGGACCAAAACGCTGGA
 GAACAAACACTCGCCCTCTACCAGTGGTTTGTGGAAGGAATGCTTAACATTTGTTACAA
 TGCCGTTGATCGTCATATTGAAAATGGTAAAGGGGATAAGATTGCTATCATCTATGACAG
 TCCTGTTACAAACACTAAAGCAACCTTTACCTATAAAGAAGTTCTGGAGCAGGTCTCAA
 GCTGGCTGGTGTCTTGGTCAAGCATGGCATCAAGAAAGGTGACACTGTGGTTATCTACAT
 GCCTATGATCCCACAGGCGATGTATACCATGTTGGCATGTGCAAGGATAGGTGCCATCCA
 CAGTCTCATATTTGGAGGATTTGCTTCAAAGAATAAGTAGTCGCATTGATCATGTAAA
 GCCCAAGTGGTTGTTACAGCATCATTTGGCATTGAACCTGNAANGGAGGTAGAGTACGT
 ACCACTTGTAGAAGAAGCGCTAAAATAGGACACACANACCAGACCAATCTCATTATAAT
 CGTCCAATATGNGAGGCGGTTCTTTGGCTCCCGGTCTGACCTTGATTGGGATGAAGAGA
 TGGCAAAGCCCAGTCCATGN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024560 unedited
 TGTACCGCAGGCCCAATTCTANATCGAGNTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTTTC
 CATGTTTTCAATTAATTTGTTTAGGCCAAGTTTTACAATTCACATTTCAATTTGCAAGTA
 ATTTCTACTGAAATATTTATTTCTGAAAAACAACCTCAAATAATTTAATTTCAATTAATA
 ATTAATCAACTCAAATAGGAATAAGACAACCTCATTATGCTTGCTTCAGCATTTCCTTC
 TACGTGGCCAAAAATGCTGGGGTCTTCAATTGTAAAAGTTATCTTGTATGGCTTGCCATT
 GACAATGGCAGATAAAGCTGATCGGGGATCTTGCCAGATCTGGTTTTGGGTAGCTGTTT
 GACAAACACTGCATTTGAAAAGCAGCCACAGGCCAATGTTCTGTCTAACGTGTTTCAC
 AATTTCTCCAAAACCTGCTCCTCTGTTGCATTATATCTTTTCTCAATACACAGAGTGC
 TAAGGGGACATGACCTTTAAGGGATCTTCCTTGCCAACAACAGCACAGTCTGCCACGGT
 ACCATGGGAAAGGATTGACTCTTCAATGGCGCCTGCAGAAATTCGTGACCTGCAACATT
 TATTACATCCACTCGAGACATAACATACAAATAGCCTTCTTCCATCCATGTAACCAGC
 ATCCATGGTATCATAATATCCAGGAAATTTTCAAAGTATAAATGCTTGAATGCTTCCTG
 ATTCTTCCAGAGTCTGAAAAAGCCCCAGGTGGCAATGGTAACTTTACCCACATATTTCC
 TAAACACCGAGCCTTCAGTTTTTGCATGTTGTCATCCAAAATCATAACATTGTATCCTGN
 GACGCTNTTTCTGCTTGCCCTGNTGNAGGTGTTTTAAATGCTAATCCACCATGACGC
 AGTATTGGNAGATCAGTCTCAGTTGCCACCAAGTTCTAAC

Restriction Sites:

NotI-NotI

ACCN:

NM_024560

Insert Size:

2310 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:	NM_024560.2 , NP_078836.1
RefSeq Size:	3033 bp
RefSeq ORF:	2061 bp
Locus ID:	79611
UniProt ID:	Q9H6R3
Cytogenetics:	12q21.31
Domains:	AMP-binding
Protein Pathways:	Metabolic pathways, Propanoate metabolism
Gene Summary:	Activates acetate so that it can be used for lipid synthesis or for energy generation. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (1).