

Product datasheet for **MC216238**

Sucla2 (NM_011506) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sucla2 (NM_011506) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sucla2
Synonyms:	4930547K18Rik; A-SCS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC216238 representing NM_011506
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGTCCATGTTCTACGGCCGGCAGTTGGCCGGCCGCCCTGAGGAGCCACCGCCGAGACTA
 CGCTGCGAGCCGCGCCAGGTTCTGGAAATTCTGGCTTGTTTAACAAGCATGGACTACAAGTGCAGCA
 GCAGCAGCAGAGGACCCTTCGCTGCATGAATACTTGAGTATGGAGTTATTGCAGGAAGCGGGTGTCTCT
 GTTCCAAAGGCTTCGTGGCAAAGTCAATCCGATGAAGCTTACGCAATTGCCAAAAAATTAGGATCAAAGG
 ATGTTGTGATAAAGGCACAGGTTTTGGCTGGCGCAGAGGAAAAGGAACATTTACAAGTGGCCTCAAAGG
 AGGAGTGAAGATTGTTTTCTCCAGAAGAAGCAAAGCTGTTTCCTCACAGATGATTGGCAAAAAATTG
 ATTACCAAGCAAAGTGGAGAAAAGGCGAGAATATGCAATCAAGTTTTGGTCTGTGAGCGCAATATCCCA
 GGAGAGAATACTACTTTGCAATAACAATGGAGAGGTCATTTCAAGGTCCTGTACTGATAGGAAGTGCACA
 AGGTGGTGTAAACATTGAAGATGTGGCTGCCGAGAACCCTGAAGCCATTGTAAGGAGCCTATTGATATA
 GTGGAGGGCATCAAAAAGGAACAAGCCGTGACACTTGACAGAAAGATGGGATTTCTTTCTAACATTGTGG
 ACTCTGCAGCAGAAAAATGATCAAGCTTTATAATCTTTTTCTGAAGTATGATGCAACTATGGTAGAAAT
 AAACCAATGGTAGAAGATTCTGACGAAAGGTGTTGTGCATGGATGCAAAGATCAATTTTGATTCAAAT
 TCAGCCTACCGCCAGAAGAAGATCTTTGATCTTCAGGACTGGAGTCAGGAAGACGAAAGGGACAAAGAAG
 CAGCTAATGCAGATTAACATACATCGGCCTCGATGGGAGCATAGGATGTCTAGTAAATGGTGTGGCTT
 GGCTATGGCCACAATGGATATAATAAACTACACGGAGGGACTCCAGCCAACCTTTCTTGATGTTGGTGGGA
 GCGCCACAGTCCAGCAAGTAACAGAAGCGTTAAACTCATCACTTCAGATAAAAAGGTGCAGGCTATTC
 TGGTCAACATTTTGGAGGAATCATGAGATGTGATGTTATTGCACAAGGAATAGTCATGGCAGTAAAGGA
 TTTAGAAATCAGAATACCTGTTGTGGTGGGTTACAAGGTACACGAGTTGATGATGCTAAGGCACATAATA
 GCAGACAGTGGTCTTAAATCCTTGCTTGATGATTTGGATGAAGCTGCTAAAAATGGTTGTAAAGCTCT
 CTGAAATAGTGACCTTAGCCAAAGAAGCCCATGTGGATGTGAAGTTTCAATTGCCAATA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_011506
- Insert Size:** 1392 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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_011506.3 , NP_035636.1
RefSeq Size:	2108 bp
RefSeq ORF:	1392 bp
Locus ID:	20916
UniProt ID:	Q9Z2I9
Cytogenetics:	14 D3
Gene Summary:	ATP-specific succinyl-CoA synthetase functions in the citric acid cycle (TCA), coupling the hydrolysis of succinyl-CoA to the synthesis of ATP and thus represents the only step of substrate-level phosphorylation in the TCA. The beta subunit provides nucleotide specificity of the enzyme and binds the substrate succinate, while the binding sites for coenzyme A and phosphate are found in the alpha subunit.[UniProtKB/Swiss-Prot Function]