

Product datasheet for **MC207074**

Sucla2 (BC052774) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sucla2 (BC052774) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sucla2
Synonyms: 4930547K18Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC052774
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATCAAATTCTATAATCTTTTTCTGAAGCATGATGCAACTATGGTAGAAATAAACCAATGGTAGAAG
ATTCTGACGAAAGGTGTTGTGCATGGATGCAAAGATCAATTTTGATTCAAATTCAGCCTACCGCCAGAA
GAAGATCTTTGATCTTCAGGACTGGAGTCAGGAAGACGAAAGGGACAAAGAAGCAGCTAATGCAGATATT
AACTACATCGGCCTCGATGGGAGCATAGGATGTCTAGTAAATGGTCTGGCTTGGCTATGCCACAATGG
ATATAATAAAACTACACGGAGGGACTCCAGCCAATTTCTTGATGTTGGTGGAGGCGCCACAGTCCAGCA
AGTAACAGAAGCGTTTAACTCATCTTCAGATAAAAAGGTGCAGGCTATTCTGGTCAACATTTTTGGA
GGAATCATGAGATGTGATGTTATTGCACAAGGAATAGTCATGGCAGTAAAGGATTTAGAAATCAGAATAC
CTGTTGTGGTGGGTTACAAGGTACACGAGTTGATGATGCTAAGGCACTAATAGCAGACAGTGGTCTTAA
AATCCTTGCTTGATGATTTGGATGAAGCTGCTAAAAATGGTTGTAAAGCTCTCTGAAATAGTGACCTTA
GCCAAAGAAGCCCATGTGGATGTGAAGTTTCAATTGCCAATATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC052774
Insert Size: 675 bp



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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:	BC052774 , AAH52774
RefSeq Size:	1180 bp
RefSeq ORF:	674 bp
Locus ID:	20916
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]