

Product datasheet for **MC201005**

Suclg1 (NM_019879) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Suclg1 (NM_019879) Mouse Untagged Clone
Tag: Tag Free
Symbol: Suclg1
Synonyms: 150000I01Rik; Sucla1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC011087 sequence for NM_019879
 GCCACTGCAACCATGGTCTCCAGCAGCAGCGGCCTCGCCGCCGCCCGCTGTTGTGCGGCACCTTCCTCC
 TGCAACAGAATGGGATACGACACGGGTCTTACACAGCCTCTCGGAAACATATCTATATTGATAAAAAATAC
 GAAGATTATTTGCCAGGGTTTCACAGGCAAACAGGGTACCTTTTCAGCCAGCAGGCTTTGGAGTACGGC
 ACCAAACTCGTGGGAGGAACCACTCCAGGGAAGGGTGGCCAGAAGCACCTGGGCTTGCCCGTCTTTAATA
 CTGTGAAGGAAGCCAAAGAGAAAACAGGAGCGACGGCTTCTGTCTATGTCCCTCCTCTTTTGTCTGC
 TGCTGCCATTAATGAAGCAATCGACGGGAGATTCCCTTGGTTGTGTGCATTACGGAAGGTATTCGCGAC
 CAGGATATGGTGCGGTCAAGCACAGACTGACACGCCAGGGAACGACGAGGCTAATCGGGCCAACTGCC
 CCGGCGTCATCAACCCTGGAGAATGAAAATCGGCATCATGCCTGGCCACATTCACAAGAAGGGAAGAAT
 AGGTATCGTGTCCAGGTCCGGTACTCTGACTTACGAAGCAGTTACCAAAACAACCAAGTCGGATTGGGG
 CAGTCTTGTGTATTGGCATTGGAGGTGACCTTTTAAATGGGACTGATTTTATTGATTGCCTTGAAGTCT
 TCCTGAATGATCCAGCCACAGAAGGCATCATACTGATTGGTAAAATTGGTGGTACGCTGAAGAAAATGC
 TGCCCGCTTTCTGAAGGAGCATAACTCAGTCCAAAGGCCAAGCCTGTAGTGTCTTCATTGCTGGTATA
 ACTGCTCCTCCTGGCAGAAGGATGGGCCATGCAGGGGCAATTATTGCTGGAGGAAAAGGTGGCGCTAAAG
 AGAAGATCTCTGCTCTTCAGAGTGTGGGGTGGTTGTGACATGTCCCCGCACAGCTGGGAACTACCAT
 TTATAAGGAGTTTAAAAGAGGAAGATGCTTTGAAGGACACAACAAGAAATCTTTAAAGCTGTGGAAGA
 AATCTAGACGTGAGGGCCAGTCCAGGCTGTCAGCCATGCAGCTGACACTGGTTGGTCTCTCAGTATGTG
 GGAAATCCAGGCAAGTTTTAGAATGTCTAAATGAGCTATTTTCACTTACTGTGTAACAGAGACAGATA
 ATAAATCTATCATTGATTTGAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_019879
Insert Size: 1002 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:	BC011087 , AAH11087
RefSeq Size:	1232 bp
RefSeq ORF:	1002 bp
Locus ID:	56451
UniProt ID:	Q9WUM5
Cytogenetics:	6 C1
Gene Summary:	Succinyl-CoA synthetase functions in the citric acid cycle (TCA), coupling the hydrolysis of succinyl-CoA to the synthesis of either ATP or GTP and thus represents the only step of substrate-level phosphorylation in the TCA. The alpha subunit of the enzyme binds the substrates coenzyme A and phosphate, while succinate binding and specificity for either ATP or GTP is provided by different beta subunits.[UniProtKB/Swiss-Prot Function]