

## Product datasheet for **RN201347**

### **Sdha (NM\_130428) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sdha (NM_130428) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sdha
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN201347 representing NM\_130428  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCGGGGTTGGCGCAGTTTCGAGACTTCTTCGCGGGCGCGCTTGGCTCTAGCTGGGGCGACTCGTG  
 GCTTTCACTTCTCTGTTGGTGAGAGCAAGAAGGCATCCGCTAAAGTTTCAGACGCGATTTCTACCCAGTA  
 CCCCGTGGTGGACCATGAGTTTGTGCTGTGGTTGTAGGTGCAGGCGGGGAGGCTTGCAGCTGCATTC  
 GGCCTTCTGAGGCAGGCTTTAACACGGCATGCCTTACAAAGCTTTTCTACCCGCTCACATACTGTTG  
 CAGCACAGGGAGGTATCAATGCTGCCCTGGGAAACATGGAAGAGGACAACCTGGAGATGGCATTCTATGA  
 CACCGTGAAAGGCTCTGACTGGCTGGGGATCAGGATGCCATCCATTACATGACAGAGCAAGCTCCTGCC  
 TCCGTGGTTGAGCTAGAAAATTACGGTATGCCGTTTAGCAGGACTGAAGATGGGAGGATTTATCAGCGTG  
 CATTGGTGGACAGAGCCTCAAGTTCGGGAAAGCGGGCAGGCCATCGGTGTTGCTGTGTCGCTGATCG  
 GACGGGCCACTACTCTTACACACCTTGTATGGACGATCTCTGCGGTATGACACCAGTTATTTGTGGAG  
 TATTTCCCACTGGATCTTCTGATGGAATAAGGGAGTGGCGTGGTGTGCATTGCACTGTGCATAGAAGATG  
 GGTCCATACACCGAATAAGAGCAAGAACAACACTATTATTGCTACTGGGGCTATGGGCGAACCTACTTCAG  
 CTGACTTCTGCCACACAGCAGAGGGACGGCACAGCCATGGTCACTCGGGCTGGTTTACCTTGCCAG  
 GACTTAGAATTTGTTCCAGTTCCACCCACAGGTATCTATGGTGTGGCTGCCTCATCACAGAAGGGTGCC  
 GTGGAGAGGGAGGCATTTCTATCAACAGCCAAGGCGAAAGGTTTATGGAGAGATAGCCCTGTTGCCAA  
 GGACCTAGCATCAAGAGATGTTGTGCTCGATCCATGACTCTCGAGATCCGTGAAGGAAGAGGCTGTGGC  
 CCTGAGAAGGATCAGTCTACCTGCAGTTGCACCATCTGCCCTGAGCAGCTGGCCACGCGTCTGCCTG  
 GGATCTCAGAGACGGCCATGATCTTCGCGGCGTGGATGTCACCAAGGAGCCCATTCAGTCTTCCCAC  
 TGTGCATTACAACATGGGCGGGATTCCCACTAACTACAAGGGACAGGTGCTGAAGCACGTGAACGGCCAG  
 GATCAGATTGTGCTGGTCTGTACGCCCTGTGGGAGGCTGCCTGCGCCTCAGTGCATGGTGCCAACCGGC  
 TTGGAGCAAACCTCTTTTGGACCTTGTGCTTTGGCCGAGCCTGTGCCTGAGCATTGCAGAATCTTG  
 CAGGCCTGGAGATAAAGTTCTCCGATTAAGGCAAATGCTGGAGAAGAGTCGGTTATGAATCTTGACAAG  
 TTGAGATTTGCTGATGGAAGTGAAGAATCAGAGCTGCGCCTCAGCATGCAGAAGTCGATGCAGAGCC  
 ATGCCCGCGTGTCCGTGTGGGAAGTGTGCTGCAAGAAGGCTGTGAAAAAGTCAGCCAGCTCTATGGAGA  
 CCTACAGCATCTGAAGACGTTTACAGGGGAATGGTCTGGAACACAGACCTGGTGAGACGCTGGAGCTG  
 CAGAATCTGATGCTGTGCGCACTGCAGACCATATATGGTGGGAAGCACGGAAGGAGTCACGGGGAGCTC  
 ATGCCAGGGAAGATTACAAGGTGCGGATTGATGAGTATGATTACTCCAAGCCATCGAGGGCCAGCAGAA  
 GAAGCCATTTGGGAACACTGGAGGAAGCACACCTCTCATATGTGGACACCAAGACTGGGAAGGTTACT  
 TTGGATTACAGACCTGTATTGACAAGACCTTGAATGAGGCTGACTGTGCTACTGTACCTCTGCTATCC  
 GTTCTACTGA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_130428

**Insert Size:** 1971 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.

**RefSeq:** [NM\\_130428.1](#), [NP\\_569112.1](#)

**RefSeq Size:** 2277 bp

**RefSeq ORF:** 1971 bp

**Locus ID:** 157074

**UniProt ID:** [Q920L2](#)

**Cytogenetics:** 1p11

**Gene Summary:** subunit of the mitochondrial succinate dehydrogenase that is involved in the oxidation of succinate; mutation of human homolog is associated with Leigh syndrome [RGD, Feb 2006]