

Product datasheet for **MC220228**

Sdha (NM_023281) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sdha (NM_023281) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sdha
Synonyms:	1500032O14Rik; 2310034D06Rik; 4921513A11; C81073; FP; SDH2; SDHF
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220228 representing NM_023281
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGGGGTTGGCGCAGTTTCGAGGCTTCTTCGCGGGCGCGCTTGGCGTTAACTGGGGCGTGGCCAG
 GAACACTCCAAAAACAGACCTGCGGCTTCACTTCTCTGTTGGTGAGAACAAGAAGGCATCAGCTAAAGT
 TTCAGATGCAATTTCTACTCAATACCCAGTGGTGGATCATGAATTTGATGCTGTGGTTGTAGGCGCTGGA
 GGGGCAGGCTTGCAGAGTGCATTTGGCCTTCTGAGGCAGGGTTAACTACTGCATGCCTACAAAGCTCT
 TTCCTACCCGATCACATACTGTTGCAGCACAGGGAGGTATCAATGCTGCTCTGGGGAACATGGAAGAGGA
 CAACTGGAGATGGCATTCTATGACACTGTGAAAGGCTCCGACTGGTGGGGATCAGGATGCCATCCAT
 TACATGACAGAGCAAGCTCCTGCCTCTGTGGTTGAGCTAGAAAATATGGTATGCCATTTAGCAGAAGT
 AAGATGGGAAGATTTATCAGCGTGCATTTGGTGGACAGAGCCTCAAGTTGGGAAAGCGGGCAGGCTCA
 TCGGTGTTGCTGTGGCTGATCGACAGGCCACTCACTTTACACACGTTGTATGGAAGATCTCTGCCA
 TATGACACCAGTTATTTGTGGAATATTTGCACTGGATCTTCTGATGAAAAATGGGGAGTGCCGTGGT
 TCATTGCACTGTGCATAGAAGATGGGTCCATACACCGAATAAGAGCAAAAAACACTGTTATTGCTACTGG
 GGGCTACGGGCGAACCTACTTACGCTGTACATCTGCCATACAGCACAGGGGACGGCACAGCCATGGTC
 ACTAGGGCTGGTTTGCCTTGGCAGGACTTAGAATTTGTTCACTTCCACCCACAGGTATATACGGTGCTG
 GCTGCCTCATCACAGAAGGGTGTCTGGAGAGGGGGGATTCTCATCAACAGTCAAGGTGAAAGGTTTCA
 GGAGAGATACGCACCTGTTGCCAAGGACCTGGCATCAAGAGATGTTGTCTCGATCCATGACTCTTGAG
 ATCCGTGAAGGAAGAGGCTGTGGCCCTGAGAAAGATCACGTCTACCTGCAGTTGCATCATCTGCCTCCTG
 AGCAACTGGCCACACGTCTACCCGGAATTCAGAGACGGCCATGATCTTCGCTGGTGGATGCTACTAA
 GGAGCCCATCCCAGTCTCCCCTGTGCATTACAACATGGGTGGGATTCCCCTAACTACAAGGGACAG
 GTGCTGAAGCATGTGAATGGCCAGGATCAGATTGTGCCTGGTCTGTATGCCTGTGGGGAGGCTGCCTGCG
 CCTCAGTGCATGGTGCCAACCGCTTGGAGCAAATCTCTCTTGGACCTGTAGTCTTTGGCAGAGCCTG
 TGCCCTGAGCATTGCAGAATCTTGCAGGCTGGAGATAAAGTTCCCTTCAATTAAGGCAAATGCTGGAGAA
 GAATCGGTTATGAATCTTGACAAGTTGAGATTTGCCGATGGAAGTATAAGAACATCAGAAGTACGGCTAA
 ACATGCAGAAGTCGATGCAGAACCATGCTGCAGTGTCCGTGTGGGGAGTGTATTGCAAGAAGGCTGTGA
 AAAATCAGTCAGCTCTATGGAGACCTAAAGCATCTAAAGACATTCGACAGGGGAATGGTTTGAACACA
 GACCTGGTGGAGACCCTGGAGCTGCAGAATCTGATGCTGTGCGCACTGCAGACCATATATGGTGCAGAAG
 CTGGAAAGGAGTCCCGGGGAGCCATGCCAGGGAAGATTACAAAGTGCGGGTGATGAGTATGATTACTC
 CAAGCCATCCAGGGACAGCAGAAGAAGCCGTTTGGGAAACACTGGAGGAAGCACACCCTCTCATATGTG
 GACATCAAGACTGGCAAGGTTACTTTGGAGTACAGACCTGTTATCGACAAGACCTGAATGAGGCTGACT
 GTGCCACCGTACCTCCTGCTATCCGCTCTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_023281
- Insert Size:** 1995 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_023281.1](#), [NP_075770.1](#)

RefSeq Size: 2859 bp

RefSeq ORF: 1995 bp

Locus ID: 66945

UniProt ID: [Q8K2B3](#)

Cytogenetics: 13 C1

Gene Summary: Flavoprotein (FP) subunit of succinate dehydrogenase (SDH) that is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q). Can act as a tumor suppressor.[UniProtKB/Swiss-Prot Function]