

## Product datasheet for **RN210540**

### **Sdhb (NM\_001100539) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sdhb (NM\_001100539) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Sdhb  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN210540 representing NM\_001100539  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGGCGGTGGTGGGGTCTCCTTGAAGCGCGGCTTTTCGGCTACGGCTCTCGGCAGAGTCGGCCTGC  
AGTTTCAGGCCTGCCGAGAGGCACAGACAGCTGCTGCTGCAGCTCCAGAATCAAACCTTCGCCATTTA  
CCGATGGGACCCGGACAAGGCTGGAGATAAACCTCGAATGCAGACATAAAGGTGGATCTGAATAAGTGT  
GGACCGATGGTGCTGGATGCTCTAATCAAGATTAAGAATGAAATCGATTCTACTTTGACCTTCCGAAGAT  
CATGCAGAGAAGGGATCTGTGGCTTTGTGCCATGAACATCAACGGAGGCAACACGCTGGCATGCACGCG  
CAGGATCGACACAGACCTTGGCAAAGTCTCGAAAATATACCCTTCCGCATATGTATGTGATCAAGGAT  
CTAGTCCCTGACTTGAGTAACTTCTATGCACAATACAAATCCATTGAGCCCTATCTGAAGAAGAAGGATG  
AGTCCCAGGAGGGCAAGCAACAGTATCTGCAATCCATCGAGGACCGGAGAAGCTGGACGGATTGTATGA  
GTGCATCTGTGTGCTGCTGCAGCACCAGCTGTCCCAGTACTGGTGGAAACGGAGACAAGTACCTGGG  
CCTGCAGTTCTCATGCAGGCTTATCGCTGGATGATCGACTCCAGAGATGAATTCACAGAGGAGCGCCTGG  
CCAAGCTGCAGGACCCCTTCTCTCTACCGCTGCCACACCATCATGAACTGTACACAGACCTGCCCCAA  
GGGTCTGAATCCAGGAAAAGCAATTGCAGAAATCAAGAAGATGATGGCGACCTACAAGGAGAAGCGGGCA  
TTGGCTTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001100539  
**Insert Size:** 849 bp



[View online »](#)

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001100539.1</a></u> , <u><a href="#">NP_001094009.1</a></u>
<b>RefSeq Size:</b>	1007 bp
<b>RefSeq ORF:</b>	849 bp
<b>Locus ID:</b>	298596
<b>UniProt ID:</b>	<u><a href="#">P21913</a></u>
<b>Cytogenetics:</b>	5q36
<b>Gene Summary:</b>	Iron-sulfur protein (IP) 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).[UniProtKB/Swiss-Prot Function]