

## Product datasheet for **MC201156**

### **Sdhb (NM\_023374) Mouse Untagged Clone**

#### **Product data:**

**Product Type:** Expression Plasmids  
**Product Name:** Sdhb (NM\_023374) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Sdhb  
**Synonyms:** 0710008N11Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC013509 sequence for NM\_023374  
 AAGGGGTGGGGCTGACGTCAGGAGCCAAAATGGCGGCGACGGTCTCGGGTCTCCTTGAAGCGGGCTTCCC  
 GGCTGCCGTTCTCGGCAGAGTCGGCCTGCAGTTTCAGGCCTGTCGAGGGGCACAGACAGCTGCTGCTGCA  
 GCTCCCAGAATCAAAAAATTTGCCATTTACCGATGGGACCCGGACAAGACTGGAGATAAACCTCGAATGC  
 AGACGTACGAGGTGGATCTGAATAAGTGTGGACCTATGGTGTGGATGCTTAAATCAAGATCAAGAATGA  
 AGTGGATTCTACTTTAACCTTCCGAAGATCTTGTAGAGAAGGCATCTGTGGCTCTTGCGCCATGAACATC  
 AACGGAGGCAACACTCTGGCGTGCACACGCAGGATCGACACGGACCTCAGCAAAGTCTCCAAAATCTACC  
 CTCTTCCACATATGTATGTGATCAAGGATCTAGTCCCTGATTTGAGTAACTTCTACGCACAATACAAATC  
 CATTGAGCCTTATCTGAAGAAGAAGGATGAGTCCCAGGAGGGCAAGCAACAGTATCTGCAGTCCATCGAG  
 GACCGGGAGAAGCTGGACGGGCTGTACGAGTGCATCCTGTGTGCCTGCTGCAGCACCAGCTGCCACGCT  
 ACTGGTGAACGGAGACAAGTACCTGGGGCCTGCAGTTCTCATGCAGGCCTATCGCTGGATGATCGACTC  
 CAGAGACGACTTCACAGAGGAACGCCTGGCCAAGCTGCAGGACCCCTTCTGTCTACCGCTGCCACACC  
 ATCATGAACTGCACACAGACCTGCCCTAAGGGTCTGAATCCGGGGAAAGCGATTGCAGAAATCAAGAAGA  
 TGATGGCGACCTACAAGGAGAAGCGAGCATTGGCTTAACCCAGTCCGTGCTGAGTGTGCCTGCAACTCT  
 GGTGTCAAACAGCTGGAGTCTCCCTAAGTACAGCATATGTAATAAACATTTAAGATAAAAAAAAAAAAAA AAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_023374

**Insert Size:** 849 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).



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<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>	<a href="#">BC013509</a> , <a href="#">AAH13509</a>
<b>RefSeq Size:</b>	986 bp
<b>RefSeq ORF:</b>	849 bp
<b>Locus ID:</b>	67680
<b>UniProt ID:</b>	<a href="#">Q9CQA3</a>
<b>Cytogenetics:</b>	4 D3
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>