

Product datasheet for **SC201673**

SDHB (NM_003000) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SDHB (NM_003000) Human 3' UTR Clone
Symbol:	SDHB
Synonyms:	CWS2; IP; MC2DN4; PGL4; SDH; SDH1; SDH2; SDHIP
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003000
Insert Size:	189 bp
Insert Sequence:	>SC201673 3'UTR clone of NM_003000 The sequence shown below is from the reference sequence of NM_003000. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC ACCTATAAGGAGAAGAAAGCTTCAGTT AA CTGTTTCCATGCTAAACATGATTTATAACCAGCTCAGAG CTGAACATAATTTATATCTAATTTGAGTTCCTTTAAAGATCTTGGTTTTCCATGAATACAGCATGTATA ATAAAAAATTTAAGAAATAAATGTTATTCTACTTTATTAACAAAAAAAAA ACGCGT AAGCGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_003000.3</u>



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Summary: Complex II of the respiratory chain, which is specifically involved in the oxidation of succinate, carries electrons from FADH to CoQ. The complex is composed of four nuclear-encoded subunits and is localized in the mitochondrial inner membrane. The iron-sulfur subunit is highly conserved and contains three cysteine-rich clusters which may comprise the iron-sulfur centers of the enzyme. Sporadic and familial mutations in this gene result in paragangliomas and pheochromocytoma, and support a link between mitochondrial dysfunction and tumorigenesis. [provided by RefSeq, Jul 2008]

Locus ID: 6390

MW: 7.5