OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC331067

SDHD (NM_001276504) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SDHD (NM_001276504) Human Untagged Clone
Tag:	Tag Free
Symbol:	SDHD
Synonyms:	CBT1; CII-4; CWS3; cybS; MC2DN3; PGL; PGL1; QPs3; SDH4
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331067 representing NM_001276504. Blue=Insert sequence Red=Cloning site Green=Tag(s) ATGGCGGTTCTCTGGAGGCTGAGTGCCGTTTGCGGTGCCCTAGGAGGCCGAGCTGGCTCCAAGGCTGCA TCTCTCCACTGGACTAGCGAGAGGGTTGTCAGTGTTTTGCTCCTGGGTCTGCTTCCGGCTGCTTATTTG AATCCTTGCTCTGCGATGGACTATTCCCTGGCTGCAGCCCTCACTCTTCATGGTCACTGGGGCCTTGGA CAAGTTGTTACTGACTATGTTCATGGGGATGCCTTGCAGAAAGCTGCCAAGGCAGGGCTTTTGGCACTT TCAGCTTTAACCTTTGCTGGGCTTTGCTATTTCAACTATCACGATGTGGGCATCTGCAAAGCTGTTGCC ATGCTGTGGAAGCTCTGA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001276504
Insert Size:	363 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.

View online »

RefSeq:	NM_001276504.1
RefSeq Size:	1278 bp
RefSeq ORF:	363 bp
Locus ID:	6392
UniProt ID:	O14521
Cytogenetics:	11q23.1
Protein Pathways:	Alzheimer's disease, Citrate cycle (TCA cycle), Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
MW:	12.6 kDa
Gene Summary:	This gene encodes a member of complex II of the respiratory chain, which is responsible for the oxidation of succinate. The encoded protein is one of two integral membrane proteins anchoring the complex to the matrix side of the mitochondrial inner membrane. Mutations in this gene are associated with the formation of tumors, including hereditary paraganglioma. Transmission of disease occurs almost exclusively through the paternal allele, suggesting that this locus may be maternally imprinted. There are pseudogenes for this gene on chromosomes 1, 2, 3, 7, and 18. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2013] Transcript Variant: This variant (3) lacks an alternate coding exon, but retains the reading frame, compared to variant 1. The encoded isoform (c) is shorter than isoform a.