

Product datasheet for **RR206013**

Sdhd (NM_198788) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sdhd (NM_198788) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sdhd
Synonyms: MGC72971
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206013 representing NM_198788
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGTTCTCTTAAAGCTGGGCGTTCTCTGCAGTGGCCAAGGAGCTCGAGCTCTGTCACTCCGAAGCC
GGGCGGTCAGACCTGCTTTTGTCTCCGATTTCTCCAGGACCAGCCTACCCAGGATGGCGTGGCACCCA
GCACATCCACCTGTCACCAAGCCACCAGTCTGGTTCCAAGCCGCATCTCTCCACTGGACCAGTGAGAGG
GTTGTCAGTGTTTGTCTTGGGCTGATTCAGCTGGTACTTGAATCCCTGCTCTGTGGTGGACTACT
CTCTGGCTGCAGCCCTCACCTGCACAGTCACTGGGGCATTGGACAAGTGTTACTGACTACGTTTCATGG
GGACGCACTGCAGAAGGCTACCAAGGCAGGCCTCTTGGCAGTCTCAGCTTTGACCTTTGCTGGGCTTTGC
TACTTCAATTACCACGATGTAGGCATCTGCAGAGCGGTTGCCATGCTGTGGAAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206013 representing NM_198788
Red=Cloning site Green=Tags(s)

MAVLLKLGVLCSGQGARALSLRSRAVRPAFVSAFLQDQPTGWRGTQHIHLSPSHQSGSKAASLHWTSER
VVSVLLGLIPAGYLNPCSVVDYSLAAALTLHSHWIGQVVTDYVHGDALQKATKAGLLAVSALTFAGLC
YFNYHDVVICRAVAMLWKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

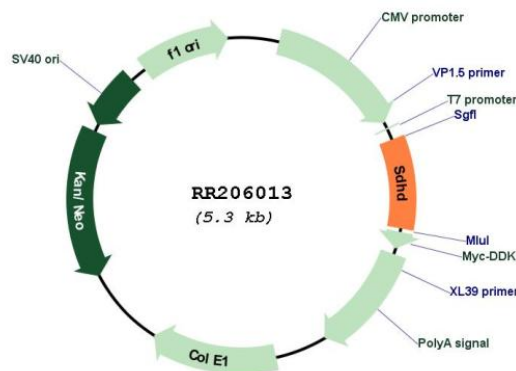
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_198788

ORF Size: 477 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<ol style="list-style-type: none">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:	<u>NM_198788.2, NP_942083.1</u>
RefSeq Size:	1251 bp
RefSeq ORF:	480 bp
Locus ID:	363061
UniProt ID:	<u>Q6PCT8</u>
Cytogenetics:	8q23
MW:	17 kDa
Gene Summary:	human homolog is a subunit of succinate-ubiquinone oxidoreductase, which plays a role in mitochondrial electron transport [RGD, Feb 2006]