

## Product datasheet for **SC207490**

### ACN9 (SDHAF3) (NM\_020186) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** ACN9 (SDHAF3) (NM\_020186) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** SDHAF3  
**Synonyms:** ACN9; DC11; LYRM10; Sdh7  
**ACCN:** NM\_020186  
**Insert Size:** 578 bp  
**Insert Sequence:** >SC207490 3'UTR clone of NM\_020186  
The sequence shown below is from the reference sequence of NM\_020186. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATTTCTGAGTCTATGAAACCAAAATTTTAGTCTATACAACAAAGCTTAATAAGACATGCAAAAATTTAG
AACCCCTACTTTAACTGTCATTGGTTTTTGAAATATATTTAAGCTTTGAAAACACCTGTTATTAATGAA
ATACTCTTTTATTTGGATATTATGATTGCAGTATATGGATCAAGATCACTAGTGACAATTGAAAAAAA
CTATTGGAATAATAGCACTTGTATGAAATTCAGTTTTGGAACAAACAGCAAATTTCTAGAATTTTGT
GAAAATGTTTTAAATGCTATTCTCATCCAGCCATATTAGTCTTCTGGCTTTTCTTTAGCTTCATCAA
TAAGCATGTTGTGATAATGATAGATGTACAATCCAACAAGGTTATTATTTTTAAATACATTGTCATT
CTGAACATTTTATCACTTCTAGTTTAATAATACATACATGATTTTTCTTCTGAATGTCTCTTCTCCCTG
CATCACTGTTCAATCACAATGAAAGGTTAGGAAGAAGCTTTAAAATTCATATTTTACTATCAATCATT
TGTATAATAAACTATACAAAGTATAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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 µg dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



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RefSeq: [NM\\_020186.3](#)

**Summary:** Plays an essential role in the assembly of succinate dehydrogenase (SDH), an enzyme complex (also referred to as respiratory complex II) that is a component of both the tricarboxylic acid (TCA) cycle and the mitochondrial electron transport chain, and which couples the oxidation of succinate to fumarate with the reduction of ubiquinone (coenzyme Q) to ubiquinol. Promotes maturation of the iron-sulfur protein subunit SDHB of the SDH catalytic dimer, protecting it from the deleterious effects of oxidants. May act together with SDHAF1.[UniProtKB/Swiss-Prot Function]

**Locus ID:** 57001

**MW:** 22.9