

Product datasheet for **SC211610**

SCD5 (NM_024906) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: SCD5 (NM_024906) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: SCD5
Synonyms: ACOD4; FADS4; HSCD5; SCD2; SCD4
ACCN: NM_024906
Insert Size: 1019 bp
Insert Sequence: >SC211610 3'UTR clone of NM_024906
The sequence shown below is from the reference sequence of NM_024906. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCTCTTTCTGTGCCCTGGAGGTATTCTGAGGTCAGAAGAGAGATACAACACGCGAGGCTTGGTGTAT
AACGTATAGAATAACAGACGGGGACTCCACACCCAGGCCTTTTTAACGGTGTGAAGCATAGACAGAGC
TGCAGTCTGTGCTAACATTAGGTTATTTATTGATTCAATCAGTTGACACAAGGAGGCAGCTACGGGGAG
GTAATAATGGTCTAAATCAAAAAGATTTTCAGTTTTGTCATTCTGTCTCTGAGATTCTATTTCCACA
TCTAGAGCAGGGTAATAATGATACCTACCTTACAAAATTATTGGGAGAATACATTAGTTAATATATGTG
AAAGTATGGAGGAGATGTGCAATAAATATTTGTGTTATTAACACACATACAGCACTCTATAGGAGATA
TTCCATTTATAAAAACTTTAGGTTCTAAAAACCTGTACACGTTGATTATTTTTGTAAGTCAAAAGTGAT
TAAGAGGAGTTAAGCTATCATTCCAGATGTATTTCTATAAATAAAAAACATAAGTATATTCAGTTGAT
TTGGGGTGGAGAGTTCCATAGATGTCTGTTAGGTCGGCTTGGTCCAGAGCTGAGTTCAAGTCTGAATA
TCCTTGTTAATTTCTGTCTTGTGATCTGTCTAATATTGACAGTGGGGATTAAGTCTCCCACTATT
ATTATATGGGAGTCTAAGTCTCCTTGTAGGCTCTAAGAAGTCTGCTTTATGAATCTGGGTGCTCCTGTA
TTAGGTGCATACATATTTAGGATAGTTAGCTCTTCTTGCTGCATTGATCCATTACCATTATATAATGC
CCTTCTTTGTCTTTTTGATCTTTGTTGGTTAAAGTCTGTTTTATTAGAGACTAGGATTGCAACCCCT
GCTATTTTTTTTTTTTTTTGCTTGATAAATATTCCTGTATCCCTTTATTTTGAGCCTATATGTGTCT
TTGCACGTGAGGTGGTCTCCTGAATACAGCACACCGATGGGTTTTGACTCTA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Sgfl-Mlul



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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:	NM_024906.3
Summary:	Stearoyl-CoA desaturase (SCD; EC 1.14.99.5) is an integral membrane protein of the endoplasmic reticulum that catalyzes the formation of monounsaturated fatty acids from saturated fatty acids. SCD may be a key regulator of energy metabolism with a role in obesity and dislipidemia. Four SCD isoforms, Scd1 through Scd4, have been identified in mouse. In contrast, only 2 SCD isoforms, SCD1 (MIM 604031) and SCD5, have been identified in human. SCD1 shares about 85% amino acid identity with all 4 mouse SCD isoforms, as well as with rat Scd1 and Scd2. In contrast, SCD5 shares limited homology with the rodent SCDs and appears to be unique to primates (Wang et al., 2005 [PubMed 15907797]).[supplied by OMIM, Mar 2008]
Locus ID:	79966
MW:	38.8