

Product datasheet for **SC215878**

FADS2 (NM_004265) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	FADS2 (NM_004265) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	FADS2
Synonyms:	D6D; DES6; FADSD6; LLCDL2; SLL0262; TU13
ACCN:	NM_004265
Insert Size:	1695 bp



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Insert Sequence: >SC215878 3'UTR clone of NM_004265
 The sequence shown below is from the reference sequence of NM_004265. 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
CTGTGGCTGGACGCCTACCTTCACAAATGAAGCCACAGCCCCGGGACACCGTGGGGAAGGGGTGCAGG
TGGGGTGATGGCCAGAGGAATGATGGGCTTTTGTCTGAGGGGTGCCGAGAGGCTGGTGTATGCACTG
CTCACGGACCCCATGTTGGATCTTTCTCCCTTTCTCCTCTCCTTTTTCTTTCACATCTCCCCATAGC
ACCCTGCCCTCATGGGACCTGCCCTCCCTCAGCCGTGAGCCATCAGCCATGGCCCTCCAGTGCCTCCT
AGCCCTTCTTCCAAGGAGCAGAGAGGTGGCCACCGGGGGTGGCTCTGTCTACCTCCACTCTGTGCC
CTAAAGATGGGAGGAGACCAGCGGTCCATGGGTCTGGCCTGTGAGTCTCCCTTGCAGCCTGGTCACTA
GGCATCACCCCGCTTTGGTCTTCAGATGCTCTTGGGGTTCATAGGGGAGGTCCTAGTCGGGCAGGG
CCCTGACCTCCCGCCTGGCTTCACTCTCCCTGACGGGTGCCATTGGTCCACCCTTTCATAGAGAGG
CCTGCTTTGTACAAGCTCGGGTCTCCCTCCTGACGCTCGGTTAAGTACCCGAGGCCTCTTAAAGAT
GTCCAGGGCCCCAGGCCCGGGCACAGCCAGCCAAACCTTGGGCCCTGGAAGAGTCTCCACCCCAT
CACTAGAGTGCTGTGACCTGGGCTTTCACGGGCCCATTCACCGCCTCCCAACTTGAGCCTGTGAC
CTTGGGACCAAGGGGAGTCCCTCGTCTCTTGTGACTCAGCAGAGGCAGTGGCCACGTTGAGGGAGGG
GCCGGTGGCCTGGAGGCTCAGCCACCCTCCAGCTTTTCTCAGGGTGTCTGAGGTCCAAGATTCTG
GAGCAATCTGACCTTCTCCAAGGCTCTGTTATCAGCTGGGAGTGCAGCCAAATCCCTGGCCATTTG
GCCCCAGGGGACGTGGGCCCTGCAGGCTGCAGGAGGGCACTGGAGCTGGGAGGTCTCGTCCAGCCCTC
CCCATCTCGGGGCTGCTGTGTGGACGGCCTGCCTCAGGCACTCTCCTGTCTGAACCTGCCCTTACTGT
GTTTAACTGTTGCTCCAGGATGCAATTCTGATAGGAGGGGGCAGGGCTGGGCCTTGTGACAATCTG
CCTTTCACACATGGCCTTGCCCTCGGTGGCCCTGACTGTGAGGGAGGGCCAGGGAGGCAGAGCGGGAGG
GAGTCTCAGGAGGAGGCTGCCCTGAGGGGCTGGGAGGGGGTACCTCATGAGGACCAGGGTGGAGCTGA
GAAGAGGAGGAGGTGGGGCTGGAGGTGCTGGTAGCTGAGGGGACGGGCAAGTGAGAGGGGAGGGAGGG
AAGTCTGGGAGGATCCTGAGCTGCTGTTGCACTAACCCTAATCAGTTCTTAGATTGAGGGGAGG
GGCAGGCACCAACAACCTCAGAATGGGGCTTTCGGGGAGGGCGCCTAGTCCCCCAGCTCTAAGCAGCC
AGGAGGGACCTGCATCTAAGCATCTGGGTTGCCATGGCAATGGCATGCCCCCAGCTACTGTATGCCCC
CGACCCCGCAGAGGCAGAAATGAACCCATAGGGAGCTGATCGTAATGTTTATCATGTTACTTCCCCACC
CCTACATTTTTTGAATAAAATAAGGAATTTTATTCTCA
ACGCGTAAAGCGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-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: [NM_004265.4](#)

Summary:

The protein encoded by this gene is a member of the fatty acid desaturase (FADS) gene family. Desaturase enzymes regulate unsaturation of fatty acids through the introduction of double bonds between defined carbons of the fatty acyl chain. FADS family members are considered fusion products composed of an N-terminal cytochrome b5-like domain and a C-terminal multiple membrane-spanning desaturase portion, both of which are characterized by conserved histidine motifs. This gene is clustered with family members at 11q12-q13.1; this cluster is thought to have arisen evolutionarily from gene duplication based on its similar exon/intron organization. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]

Locus ID:

9415

MW:

59.3