

Product datasheet for **SC335393**

FDFT1 (NM_001287751) Human Untagged Clone

Product data:

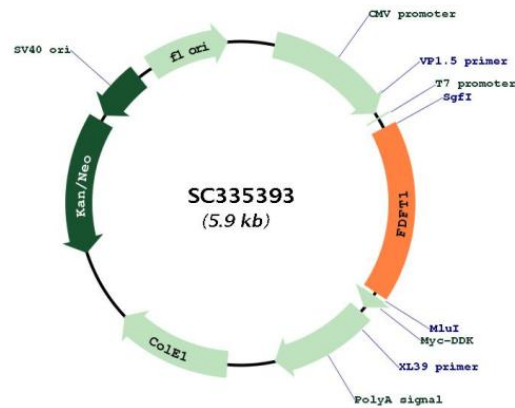
Product Type:	Expression Plasmids
Product Name:	FDFT1 (NM_001287751) Human Untagged Clone
Tag:	Tag Free
Symbol:	FDFT1
Synonyms:	DGPT; ERG9; SQS; SQSD; SS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335393 representing NM_001287751. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGACCATCAGTGTGGAAAAGAAGTCCCGCTGTACACAACCTTCACTCTTTCCTTACCAACCAGAC
TGGCGGTTCATGGAGAGCAAGGAGAAGGATCGCCAGGTGCTGGAGGACTCCCAACGATCTCCCTTGAG
TTTAGAAATCTGGCTGAGAAATACCAAACAGTGATTGCCGACATTTGCCGGAGAATGGGCATTGGGATG
GCAGAGTTTTTGGATAAGCATGTGACCTCTGAACAGGAGTGGGACAAGTACTGCCACTATGTTGCTGGG
CTGGTCGGAATTGGCCTTCCCGTCTTTTCTCAGCCTCAGAGTTGAAGACCCCTTAGTTGGTGAAGAT
ACAGAACGTGCCAACTCTATGGGCTGTTTCTGCAGAAAACAAACATCATCCGTGACTATCTGGAAGAC
CAGCAAGGAGGAAGAGAGTTCTGGCCTCAAGAGGTTTGGAGCAGGTATGTTAAGAAGTTAGGGGATTTT
GCTAAGCCGGAGAATATTGACTTGGCCGTGCAGTGCCTGAATGAACCTATAACCAATGCACTGCACCAC
ATCCCAGATGTATCACCTACCTTTTCGAGACTCAGAAACCAGAGTGTGTTAACTTCTGTGCTATTCCA
CAGGTGATGGCCATTGCCACTTTGGCTGCCTGTTATAATAACCAGCAGGTGTTCAAAGGGGCAGTGAAG
ATTCGAAAGGGCAAGCAGTGACCCTGATGATGGATGCCACCAATATGCCAGCTGTCAAAGCCATCATA
TATCAGTATATGGAAGAGATTTATCATAGAATCCCGACTCAGACCCATCTTCTAGCAAAACAAGGCAG
ATCATCTCCACCATCCGGACGCAGAATCTCCCAACTGTCAGCTGATTTCCCGAAGCCACTACTCCCCC
ATCTACCTGTCGTTTGTATGCTTTTGGCTGCCCTGAGCTGACCTGACCTCTCTCCAGGTA
ACAGAAGACTATGTTTCAGACTGGAGAACACTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



Plasmid Map:



ACCN: NM_001287751

Insert Size: 999 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.

RefSeq: [NM_001287751.1](#)

RefSeq Size: 2120 bp

RefSeq ORF: 999 bp

Locus ID: 2222

UniProt ID: [P37268](#)

Cytogenetics: 8p23.1

Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Steroid biosynthesis
MW:	38.3 kDa
Gene Summary:	<p>This gene encodes a membrane-associated enzyme located at a branch point in the mevalonate pathway. The encoded protein is the first specific enzyme in cholesterol biosynthesis, catalyzing the dimerization of two molecules of farnesyl diphosphate in a two-step reaction to form squalene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (10) lacks several exons from the 5' end, contains an alternate 5' terminal exon, and initiates translation from an in-frame downstream start codon compared to variant 1. The resulting isoform (4) has a shorter N-terminus compared to isoform 1.</p>