

Product datasheet for **SC319228**

FDFT1 (NM_004462) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FDFT1 (NM_004462) Human Untagged Clone
Tag:	Tag Free
Symbol:	FDFT1
Synonyms:	DGPT; ERG9; SQS; SQSD; SS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004462.3
 GCCGGCCGGTGAGCGCCTGGGGACCGCAGAGGTGAGAGTCGCGCCCGGGAGTCCGCCGCC
 TGCGCCAGGATGGAGTTCGTGAAATGCCTCGGCCACCCGAAGAGTTCTACAACCTGGTG
 CGCTTCCGGATCGGGGGCAAGCGGAAGGTGATGCCAAGATGGACCAGGACTCGCTCAGC
 AGCAGCCTGAAAACCTTGTACAGGTATCTCAATCAGACCAGTCGCAGTTTCGCAGCTGTT
 ATCCAGGCGCTGGATGGGAAAATGCGCAACGCAGTGTGCATATTTATCTGGTTTCCGA
 GCTCTGGACACACTGGAAGATGACATGACCATCAGTGTGAAAAGAAGGTCCCGCTGTTA
 CACAACCTTCACTCTTTCTTTACCAACCAGACTGGCGGTTTCATGGAGAGCAAGGAGAAG
 GATCGCCAGGTGCTGGAGGACTTCCCAACGATCTCCCTTGAGTTTAAAACTGGCTGAG
 AAATACAAAACAGTGATTGCCGACATTTGCCGGAGAATGGGCATTGGGATGGCAGAGTTT
 TTGGATAAGCATGTGACCTCTGAACAGGAGTGGGACAAGTACTGCCACTATGTTGCTGGG
 CTGGTCGGAATTGGCCTTTCCCGTCTTTTCTCAGCCTCAGAGTTTGAAGACCCCTTAGTT
 GGTGAAGATACAGAACGTGCCAATCTATGGGCCTGTTTCTGCAGAAAACAAACATCATC
 CGTGACTATCTGGAAGACCAGCAAGGAGGAAGAGATTCTGGCCTCAAGAGGTTTGGAGC
 AGGTATGTTAAGAAGTTAGGGGATTTTGCTAAGCCGGAGAATATTGACTTGGCCGTGCAG
 TGCTGAATGAACTTATAACCAATGCACCTGCACCACATCCCAGATGTCATCACCTACCTT
 TCGAGACTCAGAAACCAGAGTGTGTTAACTTCTGTGCTATTCCACAGGTGATGGCCATT
 GCCACTTTGGCTGCCTGTATAATAACCAGCAGGTGTTCAAAGGGGCAGTGAAGATTCGG
 AAAGGGCAAGCAGTGACCCTGATGATGGATGCCACCAATATGCCAGCTGTCAAAGCCATC
 ATATATCAGTATATGGAAGAGATTTATCATAGAATCCCGACTCAGACCCATCTTCTAGC
 AAAACAAGGCAGATCATCTCCACCATCCGGACGCAGAATCTTCCCAACTGTCAGCTGATT
 TCCCGAAGCCACTACTCCCCATCTACCTGTGTTTGTGCATGCTTTTGGCTGCCCTGAGC
 TGGCAGTACCTGACCACCTCTCCAGGTAACAGAAGACTATGTTTCAGACTGGAGAACAC
 TGATCCCAAATTTGTCCATAGCTGAAGTCCACCATAAAGTGGATTACTTTTTTTCTTTA
 AGGATGGATGTTGTGTTCTTTATTTTTTCTACTACTTTAATCCCTAAAAGAACGCT
 GTGTGGCTGGGACCTTTAGGAAAAGTAAAATGCAGGTGAGAAGAACCTAAACATGAAAGGA
 AAGGGTGCCTCATCCAGCAACCTGTCCTTGTGGGTGATGACTGTGCTGCTTGGCGC
 TCATGGCAGAGCATTAGTGCACGGTTTAGGTGAAGTCGCTGCATATGTGACTGTCATG
 AGATCCTACTTAGTATGATCCTGGCTAGAATGATAATTAAGTATTTAATTTGAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_004462

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_004462.3 , NP_004453.3
RefSeq Size:	2115 bp
RefSeq ORF:	1254 bp
Locus ID:	2222
UniProt ID:	P37268
Cytogenetics:	8p23.1
Domains:	SQS_PSY
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Steroid biosynthesis
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 (3) differs in the 5' UTR compared to variant 1. Variants 1-3 encode the same isoform (1).</p>