

Product datasheet for **RC237499**

FDFT1 (NM_001287751) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FDFT1 (NM_001287751) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FDFT1
Synonyms: DGPT; ERG9; SQS; SQSD; SS
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237499 representing NM_001287751
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCATCAGTGTGGAAAAGAAGTCCCCTGTTACACAACCTTCACTCTTTCCTTTACCAACCAGACT
GGCGTTCATGGAGACAAAGGAGAAGGATCGCCAGGTGCTGGAGGACTTCCCAACGATCTCCCTTGAGTT
TAGAAATCTGGCTGAGAAATACCAACAGTGATTGCCGACATTTGCCGGAGAATGGGCATTGGGATGGCA
GAGTTTTTGGATAAGCATGTGACCTCTGAACAGGAGTGGGACAAGTACTGCCACTATGTTGCTGGGCTGG
TCGGAATTGGCCTTTCCCGTCTTTTCTCAGCCTCAGAGTTTGAAGACCCCTTAGTTGGTGAAGATACAGA
ACGTGCCAACTCTATGGGCTGTTTCTGCAGAAAACAAACATCATCCGTGACTATCTGGAAGACCAGCAA
GGAGGAAGAGAGTTCTGGCCTCAAGAGGTTTGGAGCAGGTATGTTAAGAAGTTAGGGGATTTTGCTAAGC
CGGAGAATATTGACTTGGCCGTGCAGTGCCTGAATGAACCTATAACCAATGCACTGCACCACATCCCAGA
TGTCATCACCTACCTTTCGAGACTCAGAAACCAGAGTGTGTTAACTTCTGTGCTATTCCACAGGTGATG
GCCATTGCCACTTTGGCTGCCTGTTATAATAACCAGCAGGTGTTCAAAGGGCAGTGAAGATTCGGAAAG
GGCAAGCAGTGACCTGATGATGGATGCCACCAATATGCCAGCTGTCAAAGCCATCATATATCAGTATAT
GGAAGAGATTTATCATAGAATCCCGACTCAGACCCATCTTAGCAAAAACAAGGCAGATCATCTCCACC
ATCCGGACGCAGAATCTTCCCACTGTCAGCTGATTTCCCGAAGCCACTACTCCCCATCTACCTGTCGT
TTGTCATGCTTTTGGCTGCCCTGAGCTGGCAGTACCTGACCCTCTCTCCAGGTAACAGAAGACTATGT
TCAGACTGGAGAACAC

ACGGTACGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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OTI Disclaimer:	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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001287751.1 , NP_001274680.1
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:	38.8 kDa
Gene Summary:	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]