

Product datasheet for **MG206569**

Fdft1 (NM_010191) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fdft1 (NM_010191) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fdft1
Synonyms:	SQS; SS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206569 representing NM_010191 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTTCGTC AAGTGTCTAGGCCACCCGAGGAGTTCTATAACCTGCTGCGATTCCGCATGGGAGGCC
GGCGGAATTTTATACCCAAGATGGACCAGGACTCACTCAGCAGCAGCTTGAAGACCTGCTACAAGTATCT
CAATCAGACCAGTCGCAGCTTTGCCGCGTTATCCAGGCGCTGGATGGGACATACGGCACGCCATATGT
GTGTTCTACCTGGTTCTCCGAGCCCTGGATACAGTGGAGGATGACATGAGCATCAGTGTGGAGAAGAAGA
TCCCACTGCTGTGTAACCTCCACACTTCTCTATGACCCAGAGTGGCGTTCACTGAGAGCAAGGAGAA
GGACCGACAAGTCTGGAGGACTTCCCCACGATCTCCCTGGAGTTTAGAAATTTGGCTGAGAAATATCAA
ACAGTGATCGATGACATCTGCCACCGGATGGGGTGTGGGATGGCAGAATTTGTAGACAAGGATGTGACCT
CCAAACAGGACTGGGACAAGTACTGCCACTACGTTGCTGGGCTGGTGGGAATTTGGCTTTCTCGTCTATT
CTCTGCCTCAGAGTTTGAAGACCCCATAGTTGGTGAAGACATAGAGTGTGCCAACTCAATGGGTCTGTTC
CTGCAGAAAACAAATATCATTCTGTGATTATCTGGAAGACCAACAGGAAGGAAGGAAAGTTTGGCCTCAGG
AGGTGTGGGCAGATACATTAAGAAGTTGGAAGACTTTGCTAAGCCAGAGAACGTAGATGTGGCCGTGCA
GTGCTTGAATGAACCTATAACCAACACCCTACAGCACATCCCTGACGTCCTCACCTACCTGTCAAGGCTC
CGAACCAGAGTGTGTTAACTTCTGTGCTATTCACAGGTAATGGCCATTGCCACTGGCTGCCCTGTT
ACAATAACCAGCAGGTATTCAAAGGAGTAGTGAAGATTTCGGAAGGGCAAGCAGTCAACCCTCATGATGGA
TGCCACCAACATGCCTGCCGTCAAAGCTATCATATACCAGTACATAGAAGAGATTTATCACCGGATCCCC
AACTCAGACCCATCATCAAGCAAACCAAGCAGGTCTCCTCAAGATCAGGACACAGAACCTTCCCAACT
GCCAGCTCATCTCCGAAGCCACTACTCCCCATTTACCTGTCAATTTATCATGCTCTTGGCTGCCCTGAG
CTGGCAGTACCTGAGCACCTGTCCAGGTCACAGAAGACTATGTCCAGAGAGAACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206569 representing NM_010191
 Red=Cloning site Green=Tags(s)

MEFVKCLGHPEEFYNLLRFRMGRRNFIPKMDQDSLSSSLKTCYKYLNQTSRFAAVIQALDGDIRHAIC
 VFYLVLRALDTVEDDMSISVEKKIPLLCNFHTFLYDPEWRFTESKEKDRQVLEDFPTISLEFRNLAEKYQ
 TVIDDICHRMGGCGMAEFVDKDVTSKQDWDKYCHYVAGLVGIGLSRLFSASEFEDPIVGEDIECANSMLGF
 LQKTNIIRDYLEDDQEGRKFWPQEVWGRYIKKLEDFAKPENVDVAVQCLNELITNTLQHIDPDLTYLSRL
 RNQSVFNFAIPQVMAIATLAACYNNQVFKGVVKIRKGOAVTLMMDATNMPAVKAIYQYIEEYHRIP
 NSDPSSSKTKQVISKIRTQNLPCQLISRSHYSPIYLSFIMLLAALSWQYLSTLSQVTEYVQREH

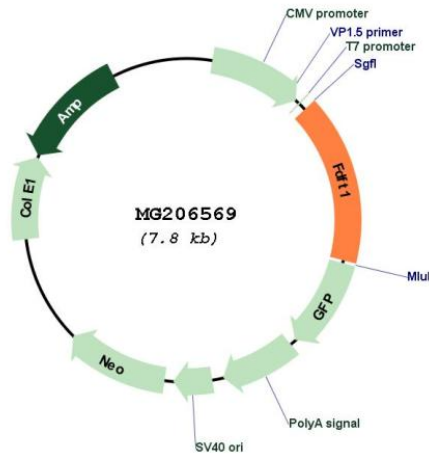
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_010191

ORF Size:	1248 bp
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_010191.3 , NP_034321.2
RefSeq Size:	2882 bp
RefSeq ORF:	1251 bp
Locus ID:	14137
UniProt ID:	P53798
Cytogenetics:	14 33.24 cM
Gene Summary:	Critical branch point enzyme of isoprenoid biosynthesis that is thought to regulate the flux of isoprene intermediates through the sterol pathway.[UniProtKB/Swiss-Prot Function]