

Product datasheet for **RG229144**

FYTTD1 (NM_001011537) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FYTTD1 (NM_001011537) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FYTTD1
Synonyms:	UIF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG229144 representing NM_001011537 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCTTCTGTGATTATGGGAAATGATATCATCAAGTTGAATCGAAAGGAAGGGAAGAAGCAGAATT
TTCCAAGACTAAATAGAAGACTCCTCCAGCAAAGTGGTGCCAGCAATTCAGGATGAGAGTGCGATGGGG
AATCCAACAGAATTCTGGTTTTGGTAAGACTAGTCTGAATCGTAGAGGAAGAGTAATGCCTGGAAAGAGA
CGTCCTAATGGAGTTATCACTGGCCTTGCAGCTAGGAAAACGACTGGAATTCGAAAAGGAATTAGTCCTA
TGAATCGTCCACCTCTAAGTGACAAGAATATAGAACAATATTTTCCAGTGTTAAAAAGGAAGGCAAACCT
TCTGAGACAAAATGAAGGGCAGAGGAAACCAAGTAGCAGTTCTCAAGAGACCTAGCCAGCTAAGCAGAAAA
AATAACATTCCAGCTAATTTTACCAGGAGTGGAATAAATTAAATCATCAGAAAGATACTCGTCAGGCAA
CTTTTCTTTTCAGAAGAGGCCTGAAGGTGCAGGCCAGTTGAATACAGAACAACTGCTAGACGATGTAGT
AGCAAAGAGAAGCTCGTCAATGGCGGACTTCCACCACAAATGGAGGGATTTTGACTGTATCTATTGACAAT
CCTGGAGCAGTGCAATGCCAGTAAGTCAAGAAACACGATTAAGTCTGACTGCTGTACCTTCATTTTAA
CAAAGCGGGAGCAAAGTGACGTCAAGAAAGTTCCTAAAGGTGTTCCCTGCAGTTTGACATAAACAGTGT
CGGAAAACAGACAGGGATGACGTTGAATGAGCGGTTTGGGATCCTGAAGGAACAAAGAGCCACTCTCACA
TACAACAAAGGGGAAGCCGCTTTGTACCGTGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229144 representing NM_001011537
 Red=Cloning site Green=Tags(s)

MEPSVIMGNDIIKLNREKGGKQNFPRLLNRRLQSGAQQFRMRVRWGIQQNSGFGKTSLNRRGRVMPGKR
 RPNGVITGLAARKTTGIRKGISPMNRPLSDKNIEQYFPVLKRKANLLRQNEGQRKPVAVLKRPSQLSRK
 NNIPANFTRSGNKLNHQDTRQATFLFRRGLKVQAQLNTEQLDDVVAKRTRQWRTSTTNGGILTVSIDN
 PGAVQCPVTQKPRLTRTAVPSFLTREQSDVKKVPKGVPLQFDINSVGKQTGMTLNERFGILKEQRATLT
 YNKGGSRFVTVG

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001011537

ORF Size: 876 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:

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_001011537.2](#), [NP_001011537.2](#)

RefSeq Size: 3654 bp

RefSeq ORF: 879 bp

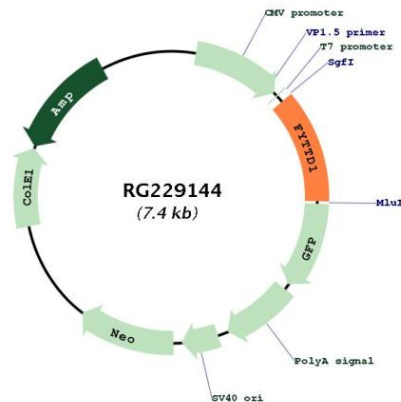
Locus ID: 84248

UniProt ID: [Q96QD9](#)

Cytogenetics: 3q29

Gene Summary: Required for mRNA export from the nucleus to the cytoplasm. Acts as an adapter that uses the DDX39B/UAP56-NFX1 pathway to ensure efficient mRNA export and delivering to the nuclear pore. Associates with spliced and unspliced mRNAs simultaneously with ALYREF/THOC4.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG229144