

Product datasheet for **RG222375**

FYTTD1 (NM_032288) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FYTTD1 (NM_032288) 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:	>RG222375 representing NM_032288 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAACCGGTTTGGTACCCGGTTGGTGGGAGCCACGGCGACTTCTTCGCCGCCGCCGAAGGCCCGCAGCA
ATGAAACCTCGACAAAATAGATATGTCTTTGGATGATATCATCAAGTTGAATCGAAAGGAAGGGAAGAA
GCAGAATTTTCCAAGACTAAATAGAAGACTCCTCCAGCAAAGTGGTGCCAGCAATTCAGGATGAGAGTG
CGATGGGGAATCCAACAGAATTCTGGTTTGGTAAGACTAGTCTGAATCATAGAGGAAGAGTAATGCCTG
GAAAGAGACGTCCTAATGGAGTTATCACTGGCCTTGCAGCTAGGAAAACGACTGGAATTCGAAAAGGAAT
TAGTCCTATGAATCGTCCACCTCTAAGTGACAAGAATATAGAACAATATTTTCCAGTGTTAAAAAGGAAG
GCAAACTTCTGAGACAAAATGAAGGGCAGAGGAAACAGTAGCAGTTCTCAAGAGACCTAGCCAGCTAA
GCAGAAAAAATAACATTCCAGCTAATTTTACCAGGAGTGGAATAAATTAATCATCAGAAAGATACTCG
TCAGGCAACTTTTCTTTTTCAGAAGAGGCCTGAAGGTGCAGGCCAGTTGAATACAGAACAACTGCTAGAC
GATGTAGTAGCAAAGAGAACTCGTCAATGGCGGACTTCCACCACAAATGGAGGGATTTTGACTGTATCTA
TTGACAATCCTGGAGCAGTGCAATGCCAGTAACCTCAGAAACACGATTAACCTGTAAGTGTACCTTC
ATTTTAAACAAAGCGGGAGCAAAGTGACGTCAAGAAAGTTCCTAAAGGTGTTCCCTGCAGTTTGACATA
AACAGTGTGGAACACAGACAGGGATGACGTTGAATGAGCGGTTTGGGATCCTGAAGGAACAAAGAGCCA
CTCTCACATACAACAAAGGGGAAGCCGCTTTGTACCGTGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

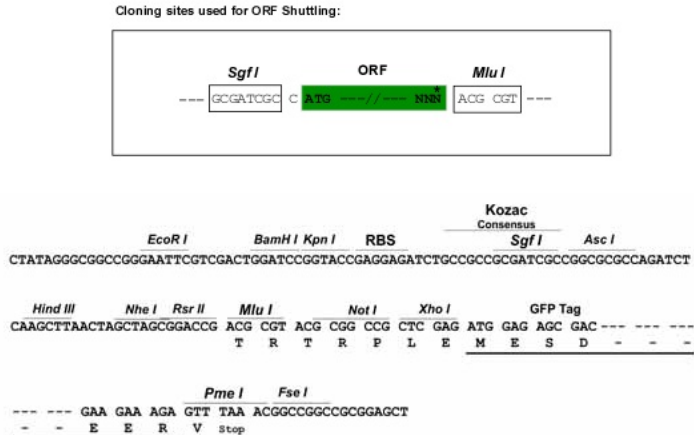
Protein Sequence: >RG222375 representing NM_032288
 Red=Cloning site Green=Tags(s)

MNRFGTRLVGATATSSPPPKARSNENLDKIDMSLDDIIKLNKKEGKKQNFRLNRRLLQQSGAQQFRMRV
 RWGIQQNSGFGKTSLNHRGRVMPGKRRPNGVITGLAARKTTGIRKGISPMNRPLSDKNIEQYFPVLKRK
 ANLLRQNEGQRKPVAVLKRPSQLSRKNNIPANFTRSGNKLNHQKDRQATFLFRRGLKVQAQLNTEQLLD
 DVVAKRTRQWRTSTTNGGILTVSIDNPGAVQCPVTQKPRLTRTAVPSFLTKEQSDVKKVPKGVPLQFDI
 NSVGKQTGMTLNERFGILKEQRATLTYNKGGSRFVTVG

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032288

ORF Size: 954 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_032288.3](#)

RefSeq Size: 3542 bp

RefSeq ORF: 957 bp

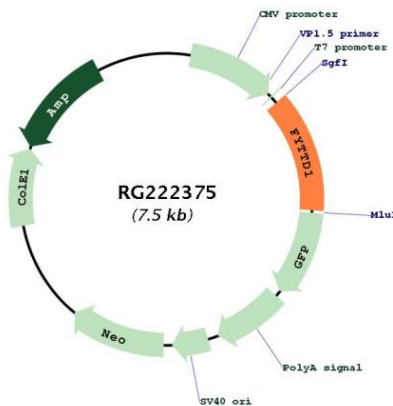
Locus ID: 84248

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 RG222375