

Product datasheet for RC229144

FYTTD1 (NM_001011537) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FYTTD1 (NM_001011537) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FYTTD1
Synonyms:	UIF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229144 representing NM_001011537 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGAGCCTTCTGTGATTATGGGAAATGATATCATCAAGTTGAATCGAAAGGAAGGGAAGAAGCAGAATT
 TTCCAAGACTAAATAGAAGACTCCTCCAGCAAAGTGGTGGCCAGCAATTCAGGATGAGAGTGCGATGGGG
 AATCCAACAGAATTCTGGTTTTGGTAAGACTAGTCTGAATCGTAGAGGAAGAGTAATGCCTGGAAAGAGA
 CGTCCTAATGGAGTTATCACTGGCCTTGCAGCTAGGAAAACGACTGGAATTCGAAAAGGAATTAGTCCTA
 TGAATCGTCCACCTCTAAGTGACAAGAATATAGAACAATATTTTCCAGTGTTAAAAAGGAAGGCAACCT
 TCTGAGACAAAATGAAGGGCAGAGGAAACCACTAGCAGTTCTCAAGAGACCTAGCCAGCTAAGCAGAAAA
 AATAACATTCCAGCTAATTTTACCAGGAGTGGAATAAATTAAATCATCAGAAAGATACTCGTCAGGCAA
 CTTTTCTTTTCAGAAGAGGCCTGAAGGTGCAGGCCAGTTGAATACAGAACAACTGCTAGACGATGTAGT
 AGCAAAGAGAAGCTCGTCAATGGCGGACTTCCACCACAAATGGAGGGATTTTGACTGTATCTATTGACAAT
 CCTGGAGCAGTGCAATGCCAGTAACTCAGAAACCACGATTAACCTGCTACTGCTGTACCTTCATTTTAA
 CAAAGCGGGAGCAAAGTGACGTCAAGAAAGTTCCTAAAGGTGTTCCCTGCAGTTTGACATAAACAGTGT
 CGGAAAACAGACAGGGATGACGTTGAATGAGCGGTTTGGGATCCTGAAGGAACAAAGAGCCACTCTCACA
 TACAACAAAGGGGAAGCCGCTTTGTACCGTGGA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC229144 representing NM_001011537

Red=Cloning site Green=Tags(s)

MEPSVIMGNDIIKLNKREGKKQNFPRLNRRLQSQGAQQFRMRVRWGIQQNSGFGKTSLNRRGRVMPGKR
RPNGVITGLAARKTTGIRKGISPMNRPPLSDKNIEQYFVPLKRKANLLRQNEGQRKPVAVLKRPSQLSRK
NNIPANFTRSGKNLHNHQDTRQATFLFRRGLKVQAQLNTEQLLDDVVAKTRQWRSTTNGGILTVSIDN
PGAVQCPVTQKPLRTRTAVPSFLTKEQSDVKKVPKGVPQLQDINSVGKQTGMTLNERFGILKEQRATLT
YVNGGGSREFTVYG

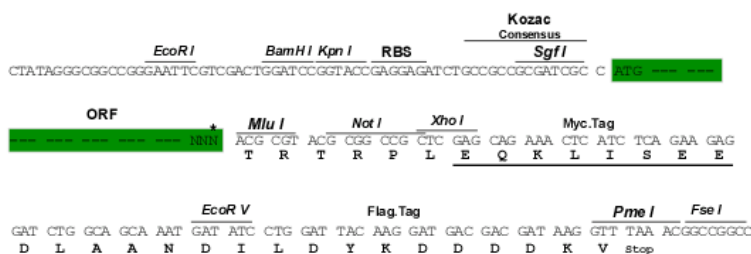
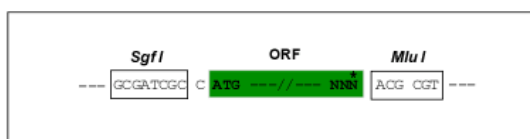
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8050_a10.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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.

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

RefSeq: NM_001011537.2, NP_001011537.2

RefSeq ORF: 879 bp

Locus ID: 84248

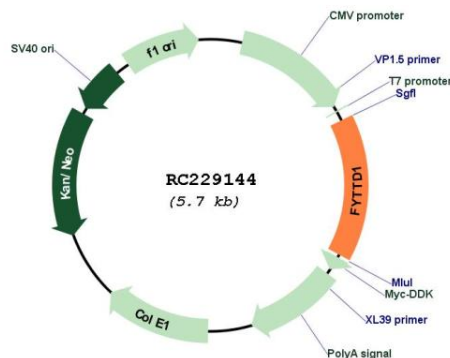
UniProt ID: Q96QD9

Cytogenetics: 3q29

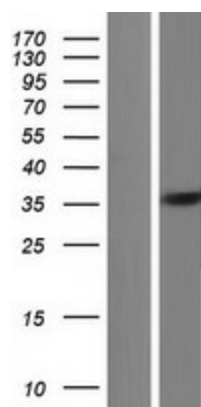
MW: 32.8 kDa

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 RC229144



Western blot validation of overexpression lysate (Cat# [LY432168]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229144 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).