

## Product datasheet for **RG203610**

### TENT2 (NM\_173797) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TENT2 (NM_173797) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TENT2
Synonyms:	APD4; GLD2; PAPD4; TUT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG203610 representing NM\_173797  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTCCAAACTCAATTTGGGTCGCCACCCTTCACTCCAAATCATCAACAACATAATAAATTCTTTA  
 CCCTGTACACTACTGTTTATTCACACCAGCAGCTTATAGATGCACAATCAACTTTCAGAATGCAGACTT  
 GTCTAGAGCTGTGTCATTACAGCAGCTGACATATGGAAATGTCAGTCCAATACAGACCTCAGCTTCCCCA  
 TTATTTTCGAGGAAGGAAGAGATTAAGCGATGAAAAAACCTTCTCTTGACGGTAAACGGCAACGTTTCC  
 ATTCACCCACCAAGAGCCAAGTGTAGTTAACCAGATAGTGCCTTATCAGGTGAACGAAGATACTCAAT  
 GCCACCATGTTTCATACACATTATGTACCAGATATAGTCAGATGTGTTCCACCTTTTCGAGAAATTGCA  
 TTTTTAGAACCTAGAGAAATCACACTGCCTGAGGCCAAAGATAAGTTGAGTCAGCAGATACTGGAGTTAT  
 TTGAAACATGTCAGCAGCAAATAAGTGATTTAAGAAGAAGAACTCTGTGCAACACAGCTGCAGAGAGA  
 AATTCAGCTGTTATTTCCACAAAGCAGACTTTTTTTGGTGGGCTCTTTAAATGGATTTGGTACCCGG  
 AGCAGTGATGGTGATTTATGCCTAGTTGTTAAGGAAGAACCATGTTTTTTTCAGGTAAATCAGAAGACTG  
 AAGCACGGCATATACTCACCTTAGTCCATAAACTTCTGTACTAGACTTTCGGGCTACATTGAGAGACC  
 TCAGCTGATTCGAGCAAAAGTGCCAATTGTGAAGTTCAGGGATAAAGTCAGTTGTGTGGAGTTTGACTTG  
 AATGTAACAATATTGTTGGAATAAGAAACACATTCCTTCTCAGAATTTATGCATACCTTGAAAAATCGAG  
 TTCGTCGGTTAGTGCTGGTGATTAAGAAGTGGGCAAGTCAACATCAGATAAATGATGCCAGTCGTGGTAC  
 TTTAAGCAGCTATAGTCTGTATTGATGGTTTTGCACTATTTACAACCCTACCTGAACCCATCCTTCCA  
 TCCCTCCAAAAATTTACCCAGAGTCTTTTAGTCTGCTATACAGCTGCACCTTGTACATCAAGCTCCAT  
 GTAATGTTCTCTTACCTCTCAAAGAATGAATCAAACCTTGGGGACCTTTACTGGGCTTCTTAAATA  
 TTATGCTACAGAATTTGACTGGAATAGTCAAATGATTTTCAGTTCGTGAAGCCAAAGCCATTCCAAGGCT  
 GATGGTATTGAATGGAGAAATAATACATCTGTGTAGAAGAACCTTTTGTGGAACAAATACAGCCAGAG  
 CAGTGCACGAAAAGCAGAAATTTGATATGATCAAGGATCAATTTTTAAAGTCATGGCACAGATTGAAAA  
 CAAGAGAGATTTGAACAGTATACTACCTGTAAGAGCTGCTGTCCTGAAAAA

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>RG203610 representing NM\_173797  
 Red=Cloning site Green=Tags(s)

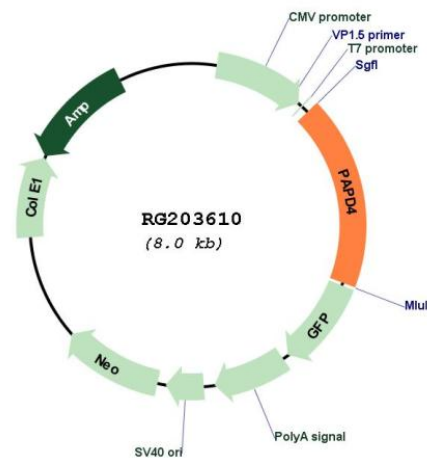
MFPNSILGRPPFTPNHQHNNFFTLSPVYSHQQLIDAQFNFQADLSRAVSLQQLTYGNVSPIQTSASP  
 LFRGRKRLSDEKNLPLDGKRQRFHSPHQEPTVVNQIVPLSGERRYMPPLFHTHYVPDIVRCVPPFREIA  
 FLEPREITLPEAKDKLSQQILELFETCQQQISDLKKKELCRTQLQREIQLLFPQSRLFLVGSLLNGFGR  
 SSDGDLCLVVKEEPCFFQVNQKTEARHILTLVHKHFCTRLSGYIERPQLIRAKVPIVKFRDKVSCVEFDL  
 NVNNIVGIRNTFLLRTYAYLENRVRPLVLVIKKWASHHQINDASRGLSSYSLVLMVLHYLQTLPEPILP  
 SLQKIYPESFSPAQLHLVHQAPCNVPPYL SKNESNLGDLGLFLKYYATEFDWNSQMISSVREAKAIPRP  
 DGIEWRNKYICVEEPPDGTNTARAVHEKQKFDMIKQFLKSWHRLKNKRDLSILPVRAAVLKR

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_173797

**ORF Size:** 1452 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\\_173797.5](#)

**RefSeq Size:** 2755 bp

**RefSeq ORF:** 1455 bp

**Locus ID:** 167153

**UniProt ID:** [Q6PIY7](#)

**Cytogenetics:** 5q14.1

**Gene Summary:** Cytoplasmic poly(A) RNA polymerase that adds successive AMP monomers to the 3'-end of specific RNAs, forming a poly(A) tail. In contrast to the canonical nuclear poly(A) RNA polymerase, it only adds poly(A) to selected cytoplasmic mRNAs (PubMed:15070731). Does not play a role in replication-dependent histone mRNA degradation (PubMed:18172165). Adds a single nucleotide to the 3' end of specific miRNAs, monoadenylation stabilizes and prolongs the activity of some but not all miRNAs (PubMed:23200856).[UniProtKB/Swiss-Prot Function]