

Product datasheet for **RC203610**

TENT2 (NM_173797) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TENT2 (NM_173797) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TENT2
Synonyms:	APD4; GLD2; PAPD4; TUT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC203610 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCCAAACTCAATTTGGGTCGCCACCCTTCACTCCAATCATCAACAACATAATAAATTCTTTA
 CCCTGTCACTACTGTTTATTCACACCAGCAGCTTATAGATGCACAATCAACTTTCAGAATGCAGACTT
 GTCTAGAGCTGTGTCATTACAGCAGCTGACATATGGAAATGTCAGTCCAATACAGACCTCAGCTTCCCA
 TTATTTTCGAGGAAGGAGAGATTAAGCGATGAAAAAACCTTCTCTTGACGGTAAACGGCAACGTTTCC
 ATTCACCCACCAAGAGCCAAGTGTAGTTAACCAGATAGTGCCTTATCAGGTGAACGAAGATACTCAAT
 GCCACCATTTGTTTATACACATTATGTACCAGATATAGTCAGATGTGTTCCACCTTTTCGAGAAATTGCA
 TTTTGTAGAATCAGAGAAATCACACTGCCTGAGGCCAAAGATAAGTTGAGTCAGCAGATACTGGAGTTAT
 TTGAAACATGTCAGCAGCAAATAAGTGATTTAAGAAGAAGAACTCTGTGCAACACAGCTGCAGAGAGA
 AATTCAGCTGTTATTTCCACAAAGCAGACTTTTTTTGGTGGGTCCTCTTAAATGGATTTGGTACCCGG
 AGCAGTGATGGTGATTTATGCCTAGTTGTTAAGGAAGAACCATGTTTTTTTCAGGTAAATCAGAAGACTG
 AAGCACGGCATATACTCACCTTAGTCCATAAACTTCTGTACTAGACTTTCGGGCTACATTGAGAGACC
 TCAGCTGATTCGAGCAAAAGTGCCAATTGTGAAGTTCAGGGATAAAGTCAGTTGTGTGGAGTTTGACTTG
 AATGTAACAATATTGTTGGAATAAGAAACACATTCCTTCTCAGAATTTATGCATACCTTGAAAAATCGAG
 TTCGTCGGTATGCTGGTGATTAAGAAGTGGGCAAGTCAACATCAGATAAATGATGCCAGTCGTGGTAC
 TTTAAGCAGCTATAGTCTGTATTGATGGTTTTGCACTATTTACAACCCTACCTGAACCCATCCTTCCA
 TCCCTCCAAAAATTTACCCAGAGTCTTTTAGTCTGTATACAGCTGCACCTGTACATCAAGCTCCAT
 GTAATGTTCTCTTACCTCTCAAAGAATGAATCAAACCTTGGGGACCTTTACTGGCTTTCTTAAATA
 TTATGCTACAGAATTTGACTGGAATAGTCAAATGATTTTCAGTTGCTGAAGCCAAAGCCATTCCAAGGCT
 GATGGTATTGAATGGAGAAATAATACATCTGTGTAGAAGAACCTTTTGTGGAACAAATACAGCCAGAG
 CAGTGCACGAAAAGCAGAAATTTGATATGATCAAGGATCAATTTTTAAAGTCATGGCACAGATTGAAAA
 CAAGAGAGATTTGAACAGTATACTACCTGTAAGAGCTGCTGTCCTGAAAAA

**ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>RC203610 protein sequence
 Red=Cloning site Green=Tags(s)

MFPNSILGRPPFTPNHQHNNFFTLSPVYSHQQLIDAQFNFQNDLSRAVSLQQLTYGNVSPIQTSASP
 LFRGRKRLSDEKNLPLDGKRQRFHSPHQEPTVVNQIVPLSGERRYMPPLFHTHYVPDIVRCVPPFREIA
 FLEPREITLPEAKDKLSQQILELFTCQQQISDLKKKELCRTQLQREIQLLFPQSRLFLVGSLLNGFGTR
 SSDGDLCLVVKKEPCFFQVNQKTEARHILTLVHKHFCRSLSGYIERPQLIRAKVPIVKFRDKVSCVEFDL
 NVNNIVGIRNTFLLRITYAYLENVRPLVLVIKKWASHHQINDASRGLSSYSLVLMVLHYLQTLPEPILP
 SLQKIYPEFSPIQLHLVHQAPCNVPPYL SKNESNLGDLGLFLKYYATEFDWNSQIMISVREAKAIPRP
 DGEWRNKYICVEEFPDGTNTARAVHEKQKFDMIKQFLKSWHRLKKNRDLNSILPVRAAVLKR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6730_b12.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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: 3282 bp

RefSeq ORF: 1455 bp

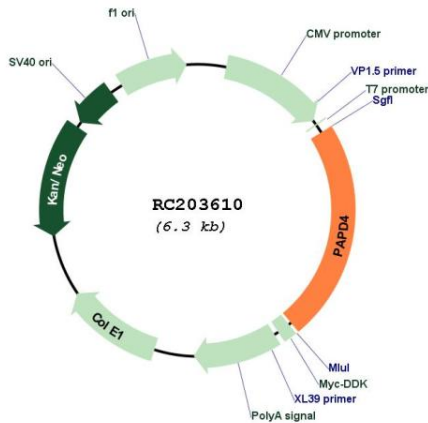
Locus ID: 167153

UniProt ID: [Q6PIY7](#)
Cytogenetics: 5q14.1

MW: 56 kDa

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]

Product images:



Circular map for RC203610