

Product datasheet for **RC225824**

TENT2 (NM_001114393) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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)



ORF Nucleotide Sequence: >RC225824 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGTTCCAACTCAATTTGGGTCGCCCACCCTTCACTCCAATCATCAACAACATAATAACTTCTTTA
 CCCTGTCACTACTGTTTATTACACCAGCAGCTTATAGATGCACAATCAACTTTCAGAATGCAGACTT
 GTCTAGAGCTGTGTCATTACAGCAGCTGACATATGAAATGTCAGTCCAATACAGACCTCAGCTTCCCCA
 TTATTCGAGGAAGGAAGAGATTAAAGCATGAAAAAACCTTCCTCTTGACGGTAAACGGCAACGTTTCC
 ATTCACCCCAAGAGCAACTGTAGTTAACCAGATAGTGCCTTTATCAGGTGAACGAAGATACTCAAT
 GCCACCATTTTTCATACACATTATGTACCAGATATAGTCAGATGTGTTCCACCTTTTCGAGAAATTGCA
 TTTTGAACCTAGAGAAATCACACTGCCTGAGGCCAAAGATAAGTTGAGTCAGCAGATACTGGAGTTAT
 TTGAAACATGTCAGCAGCAATAAGTGATTTAAGAAGAAAGAACTCTGCGAACACAGCTGCAGAGAGA
 AATTCAGCTGTTATTTCCAAAGCAGACTTTTTTGGTGGGCTCTTTAAATGGATTTGGTACCCGG
 AGCAGTGATGGTATTTATGCCTAGTTGTTAAGGAAGAACCATGTTTTTTTCAGGTAATCAGAAGACTG
 AAGCACGGCATATACTCACCTTAGTCCATAAACACTTCTGTAAGACTTTTCGGGCTACATTGAGAGACC
 TCAGCTGATTCGAGCAAAAGTGCCAAATTGTGAAGTTACGGGATAAAGTCAGTTGTGTGGAGTTGACTTG
 AATGTAACAATATTGTTGGAATAAGAAACACATTCCTTCTCAGAACTTATGCATACCTTGAAAAATCGAG
 TTCGTCCTGTTAGTGTGGTGATTAAGAAAGTGGGCAAGTCACCATCAGATAAATGATGCCAGTCGTGGTAC
 TTTAAGCAGCTATAGTCTTGATTGATGGTTTTGCACTATTTACAAACCTACCTGAACCCATCCTTCCA
 TCCCTCCAAAAATTTACCCAGAGTCTTTAGTCTGCTATACAGCTGCACCTTGATACATCAAGCTCCAT
 GTAATGTTCTCTTACCTCTCAAAGAATGAATCAAACCTTGGGGACCTTACTGGGCTTTCTAAATA
 TTATGCTACAGAATTTGACTGGAATAGTCAAATGATTTCAAGTTCGTGAAGCCAAAGCCATTCCAAGGCT
 GATGGTATTGAATGGAGAAATAATACATCTGTGTAGAAGAACCTTTGATGGAACAAATACAGCCAGAG
 CAGTGCACGAAAAGCAGAAATTTGATATGATCAAGGATCAATTTTAAAGTCATGGCACAGATTGAAAA
 CAAGAGAGATTTGAACAGTATACTACCTGAAGAGCTGCTGCTGAAAAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225824 protein sequence
 Red=Cloning site Green=Tags(s)

MFPNSILGRPPFTPNHQHNNFFTLSPVYSHQQLIDAQNFQNA DL SRAVSLQQLTYGNVSPFIQTSASP
 LFRGRKRLSDEKNLPLDGKRQRFHSPHQEPTVVNQIVPLSGERRY SMPPLFHTHYVPDIVRCVPPFREIA
 FLEPREITLPEAKDKLSQQILELFETCQQQISDLKKKELCRTQLQREIQLLFPQSRLFLVGSSNLNGFTR
 SSDGDLCLVKEEPCFFQVNQKTEARHILTLVHKHFCTRLSGYIERPQLIRAKVIPKFRDKVSCVEFDL
 NVNNIVGIRNTFLLRTYAYLENRVRLVLVIKKWASHHQINDASRGTLSSYSLVLMVLHYLQTLPEPILP
 SLQKIYPESFSPAQLHLVHQAPCNVPPYLSKNESNLGDLGLFLKYYATEFDWNSQMI SVREAKAIPRP
 DGIERNKYICVEEPPDGTNTARAVHEKQKFDMIKDQFLKSWHRLKNKRDLSILPVRAAVLKR

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

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

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001114393

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.

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

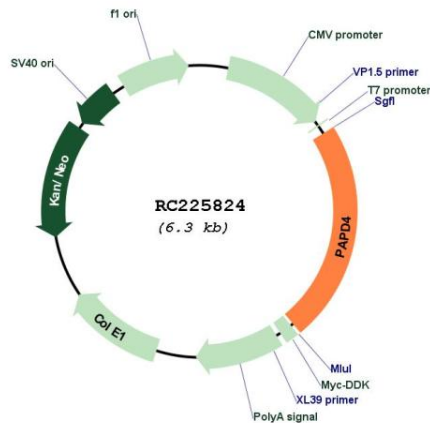
RefSeq: [NM_001114393.3](#)

RefSeq Size: 3248 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 RC225824