

Product datasheet for **RC225825**

TENT2 (NM_001114394) 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)



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ORF Nucleotide Sequence: >RC225825 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCCAACTCAATTTGGGTCGCCCACCCTTCACTCCAAATCATCAACAACATAATAACTTCTTTA
CCCTGTCACTACTGTTTATTACACCAGCAGCTTATAGATGCACAATCAACTTTCAGAATGCAGACTT
GTCTAGAGCTGTGTCATTACAGCAGCTGACATATGAAATGTCAGTCCAATACAGACCTCAGCTTCCCCA
TTATTTGAGGAAGGAAGAGATTAAAGCATGAAAAAACCTTCCTCTTGACGGTAAACGGCAACGTTTCC
ATTCACCCCAAGAGCAACTGTAGTTAACCAGATAGTGCCTTTATCAGGTGAACGAAGATACTCAAT
GCCACCATTTTTCATACACATTATGTACCAGATATAGTCAGATGTGTTCCACCTTTTCGAGAAATTGCA
TTTTTGAACCTAGAGAAATCACACTGCCTGAGGCCAAAGATAAGTTGAGTCAGCAGATACTGGAGTTAT
TTGAAACATGTCAGCAGCAATAAGTGATTTAAGAAGAAAGAACTCTGCGAACACAGCTGCAGAGAGA
AATTCAGCTGTTATTTCCAAAGCAGACTTTTTTGGTGGGCTCTTTAAATGGATTTGGTACCCGG
AGCAGTGATGGTATTTATGCCTAGTTGTTAAGGAAGAACCATGTTTTTTTCAGGTAATCAGAAGACTG
AAGCACGGCATATACTACCTTAGTCCATAAACACTTCTGCTAGACTTTTCGGGCTACATTGAGAGACC
TCAGCTGATTCGAGCAAAAGTGCCAAATTGTGAAGTTACGGGATAAAGTCAGTTGTGTGGAGTTGACTTG
AATGTAACAATATTGTTGGAATAAGAAACACATTCTTCTCAGAACTTATGCATACCTTGAAAAATCGAG
TTCGTCCTGTTAGTGTGGTGATTAAGAAAGTGGGCAAGTCACCATCAGATAAATGATGCCAGTCGTGGTAC
TTTAAGCAGCTATAGTCTTGATTGATGGTTTTGCACTATTTACAAACCTACCTGAACCCATCCTTCCA
TCCCTCCAAAAATTTACCCAGAGTCTTTAGTCTGCTATACAGCTGCACCTTGATACATCAAGTCCAT
GTAATGTTCTCTTACCTCTCAAAGAATGAATCAAACCTTGGGGACCTTACTGGGCTTTCTAAATA
TTATGTACAGAATTTGACTGGAATAGTCAAATGATTTCAAGTTCGTGAAGCCAAAGCCATTCCAAGGCT
GATGGTATTGAATGGAGAAATAATACATCTGTGTAGAAGAACCTTTGATGGAACAAATACAGCCAGAG
CAGTGCACGAAAAGCAGAAATTTGATATGATCAAGGATCAATTTTTAAAGTCATGGCACAGATTGAAAA
CAAGAGAGATTTGAACAGTATACTACCTGAAGAGCTGCTGCTGAAAAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225825 protein sequence
Red=Cloning site Green=Tags(s)

MFPNSILGRPPFTPNHQHNNFFTLSPVYSHQQLIDAQFNFQNA DL SRAVSLQQLTYGNVSP IQTSASP
LFRGRKRLSDEKNLPLDGKRQRFHSPHQEPTVVNQIVPLSGERRY SMPPLFHTHYVPDIVRCVPPFREIA
FLEPREITLPEAKDKLSQQILELFETCQQQISDLKKKELCRTQLQREIQLLFPQSRLFLVGSSNLNGFTR
SSDGDCLCLVKEEPCFFQVNQKTEARHILTLVHKHFCTRLSGYIERPQLIRAKVPIVKFRDKVSCVEFDL
NVNNIVGIRNTFLLRTYAYLENRVRLVLVIKKWASHHQINDASRGTLSSYSLVLMVLHYLQTLPEPILP
SLQKIYPESFSPAQLHLVHQAPCNVPPYLSKNESNLGDLGLFLKYYATEFDWNSQMI SVREAKAIPRP
DGIERNKYICVEEPPDGTNTARAVHEKQKFDMIKDQFLKSWHRLKNKRDLSILPVRAAVLKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001114394

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.

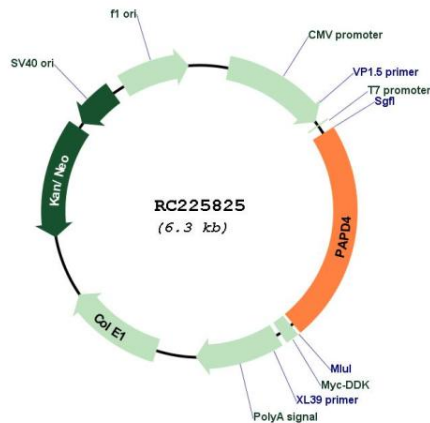
RefSeq: [NM_001114394.3](#)

RefSeq Size: 3523 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 RC225825