

Product datasheet for **RC238475**

TENT2 (NM_001297744) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TENT2 (NM_001297744) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TENT2
Synonyms:	APD4; GLD2; PAPD4; TUT2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238475 representing NM_001297744
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCCAAACTCAATTTGGGTCGCCACCCTTCACTCCAATCATCAACAACATAATAAATTCTTTA
 CCCTGTACCTACTGTTTATTCACACCAGCAGCTTATAGATGCACAATCAACTTTCAGAATGCAGACTT
 GTCTAGAGCTGTGTCATTACAGCAGCTGACATATGAAATGTCAGTCCAATACAGACCTCAGCTTCCCCA
 TTATTTGAGGAAGGAAGAGATTAAGCGATGAAAAAACCTTCTCTTGACGGTAAACGGCAACGTTTCC
 ATTCACCCACCAAGAGCCAAGTGTAGTTAACCAGATAGTGCCTTATCAGGTGAACGAAGATACTCAAT
 GCCACCATGTTTCATACACATTATGTACCAGATATAGTCAGATGTGTTCCACCTTTTCGAGAAATTGCA
 TTTTGTAGAACCTAGAGAAATCACACTGCCTGAGGCCAAAGATAAGTTGAGTCAGCAGATACTGGAGTTAT
 TTGAAACATGTCAGCAGCAATAAGTGATTTAAGAAGAAGAACTCTGTGCAACACAGCTGCAGAGAGA
 AATTCAGCTGTTATTTCCACAAAGCAGACTTTTTTTGGTGGGCTCTTTAAATGGATTGGTACCCGG
 AGCAGTGATGGTATTTATGCCTAGTTGTTAAGGAAGAACCAGTAAATCAGAAGACTGAAGCACGGCATA
 TACTCACCTTAGTCCATAAACACTTCTGTACTAGACTTTCGGGCTACATTGAGAGACCTCAGCTGATTCCG
 AGCAAAAGTGCCAATTGTGAAGTTCAGGGATAAAGTCAGTTGTGTGGAGTTTGACTTGAATGTAACAAT
 ATGTTGGAATAAGAAACACATTCCTTCTCAGAAGTATGCATACCTGAAAATCGAGTTCGTCCTGTTAG
 TGCTGGTGATTAAGAAGTGGGCAAGTACCATCAGATAAATGATGCCAGTCGTGGTACTTTAAGCAGCTA
 TAGTCTTGATGATGGTTTTGCACTATTTACAAACCTACCTGAACCCATCCTTCCATCCCTCAAAAA
 ATTTACCCAGAGTCTTTTAGTCTGTATACAGCTGCACCTGTACATCAAGCTCCATGTAATGTTCCCTC
 CTTACCTCTCAAAGAATGAATCAAACCTTGGGGACCTTACTGGGCTTTCTTAAATATTATGCTACAGA
 ATTTGACTGGAATAGTCAAATGATTTTCAGTTCGTGAAGCCAAGCCATTCCAAGGCTGATGGTATTGAA
 TGGAGAAATAAATACATCTGTGTAGAAGAACCTTTTGTGGAACAAATACAGCCAGAGCAGTGCACGAAA
 AGCAGAAATTTGATATGATCAAGGATCAATTTTTAAAGTCATGGCACAGATTGAAAAACAAGAGAGATT
 GAACAGTATACTACCTGTAAGAGCTGCTGCTGAAAAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238475 representing NM_001297744
 Red=Cloning site Green=Tags(s)

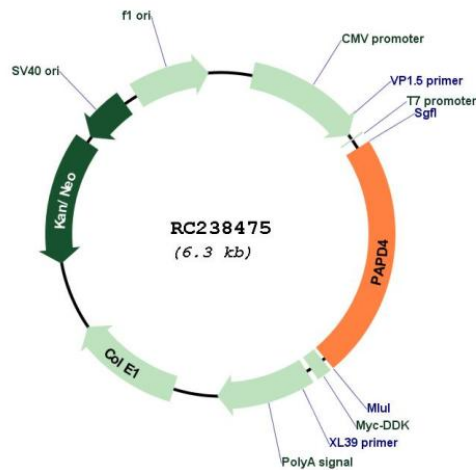
MFPNSILGRPPFPPNHQHNFFTLSPVYSHQQLIDAQFNFNADLSRAVSLQQLTYGNVSPIQTSASP
 LFRGRKRLSDEKNLPLDGKRQRFHSPHQEPTVVNQIVPLSGERRYMPPLFHTHYVPDIVRCVPPFREIA
 FLEPREITLPEAKDKLSQQILELFETCQQQISDLKKKELCRTQLQREIQLLFPQSRLFLVGSSLNGFGTR
 SSDGDLCLVVKEEPVNQKTEARHILTLVHKHFCTRLSGYIERPQLIRAKVPIVKFRDKVSCVEFDLNVNN
 IVGIRNTFLLRITYAYLENRVRPLVLVIKKWASHHQINDASRGTLSYSLVLMVLHYLQTLPEPILPSLQK
 IYPEFSFAIQLHLVHQAPCNVPPYLKKNESNLGDLGLLGLKYYATEFDWNSQMI SVREAKAIPRPDIE
 WRNKYICVEEPPDGTNTARAVHEKQKFDMIKQFLKSWHRLKKNRDLNSILPVRAAVLKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:

ACCN:

NM_001297744

ORF Size:

1440 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_001297744.3](#)

RefSeq Size: 3239 bp

RefSeq ORF: 1443 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]