

Product datasheet for **RG238252**

TENT2 (NM_001297745) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TENT2 (NM_001297745) 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)
ORF Nucleotide Sequence:	>RG238252 representing NM_001297745. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTCCCAAACCTCAATTTGGGTGCGCCACCCTTCACTCCAATCATCAACAACATAATAAATTCTTT
ACCCTGTCACCTACTGTTTATTCACACCAGCAGCTTATAGATGCACAATCAACTTTCAGAATGCAGAC
TTGTCTAGAGCTGTGTCATTACAGCAGCTGACATATGAAATGTCAGTCCAATACAGACCTCAGCTTCC
CCATTATTTGAGGAAGGAAGAGATTAAGCGATGAAAAAACCTTCTCTTGACGGTAAACGGCAACGT
TTCCATTACCCCAAGAGCCAACCTGTAGTTAACCAGATAGTGCCTTTATCAGGTGAACGAAGATAC
TCAATGCCACCATTGTTTCATACACATTATGTACCAGATATAGTCAGATGTGTTCCACCTTTTCGAGAA
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CAGAGAGAAATTCAGCTGTTATTTCCACAAAGCAGACTTTTTTTGGTTGGGTCTCTTTAAATGGATTT
GGTACCCGGAGCAGTGATGGTGATTTATGCCTAGTTGTTAAGGAAGAACCATGTTTTTTTCAGGTAAT
CAGAAGACTGAAGCAGGCATATACTCACCTTAGTCCATAAACACTTCTGTAAGTACTAGACTTTCCGGCTAC
ATTGAGAGACCTCAGCTGATTCGAGCAAAGTGCCAATGTGAAGTTCAGGGATAAAGTCAGTTGTGTG
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CCTTTTGTGGAACAAATACAGCCAGAGCAGTGCACGAAAAGCAGAAATTTGATATGATCAAGGATCAA
TTTTTAAAGTCATGGCACAGATTGAAAAACAAGAGAGATTTGAACAGTATACTACCTGTAAGAGCTGCT
GTCCTGAAAAGA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238252
 Blue=ORF Red=Cloning site Green=Tag(s)

MFPNSILGRPPFTPNHQQHNNFFTLSPVYSHQQLIDAQFNFNQADLSRAVSLQQLTYGNVSPIQTSAS
 PLFRGRKRLSDEKNLPLDGKRQRFHSPHQEPTVVNQIVPLSGERRYMPPLFHTHVYVDIVRCVPPFRE
 IAFLEPREITLPEAKDKLSQQILELFETCQQQISDLKKKELCRTQLQREIQLLFPQSRLFLVGSLLNGF
 GTRSSDGDCLLVKEEPCFFQVNQKTEARHILTLVHKHFCTRLSGYIERPQLIRAKVPIVKFRDKVSCV
 EFDLNVNNIVGIRNTFLLRTYAYPLPEPILPSLQKIYPESFSPAQLHLVHQAPCNVPPYLSKNESNLG
 DLLLGLFKYYATEFDWNSQMISVREAKAIPRPDGIWRNKYICVEEFPDGTNTARAVHEKQKFDMIKDQ
 FLKSWHRLKNKRDLSILPVRAAVLKR
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001297745

ORF Size: 1323 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).

RefSeq: [NM_001297745.3](#)

RefSeq Size: 3397 bp
 RefSeq ORF: 1326 bp

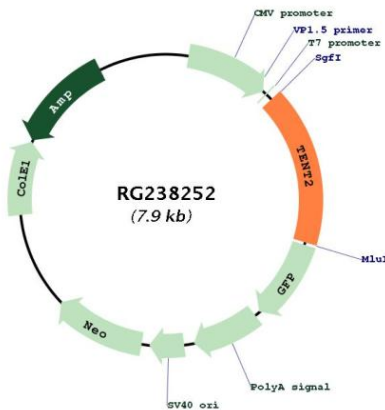
Locus ID: 167153

Cytogenetics: 5q14.1

MW: 51.5 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 RG238252