

Product datasheet for **SC318908**

TENT2 (NM_001114394) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TENT2 (NM_001114394) Human Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >SC318908 representing NM_001114394.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTTCCCAAACCAATTTTGGGTGCCCCACCCTTCACTCCAAATCATCAACAACATAATAACTTCTTT
ACCCTGTACCTACTGTTTATTACACCAGCAGCTTATAGATGCACAATCAACTTTCAGAATGCAGAC
TTGTCTAGAGCTGTGTCATTACAGCAGCTGACATATGAAATGTCAAGTCCAATACAGACCTCAGCTTCC
CCATTATTTTCGAGGAAGGAAGAGATTAAGCGATGAAAAAACCTTCTCTTGACGGTAAACGGCAACGT
TTCCATTACCCCAAGAGCAACTGTAGTTAACCAGATAGTGCCTTATCAGGTGAACGAAGATAC
TCAATGCCACCATTTGTTTCATACACATTATGTACCAGATATAGTCAGATGTGTTCCACCTTTTCGAGAA
ATTGCATTTTGAACCTAGAGAAATCACACTGCCTGAGGCCAAAGATAAGTTGAGTCAGCAGATACTG
GAGTTATTTGAAACATGTCAGCAGCAAATAAGTGATTTAAGAAGAAAGAACTCTGTGCAACACAGCTG
CAGAGAGAAATTCAGCTGTTATTTCCACAAAGCAGACTTTTTTGGTTGGTCTCTTTAAATGGATTT
GGTACCCGGAGCAGTGATGGTGATTTATGCCTAGTTGTTAAGGAAGAACCATGTTTTTTTCAGGTAAT
CAGAAGACTGAAGCACGGCATATACTCACCTTAGTCCATAAACACTTCTGTACTAGACTTTCGGGCTAC
ATTGAGAGACCTCAGCTGATTCGAGCAAAAGTGCCAATTTGTAAGTTCAGGGATAAAGTCAGTTGTGTG
GAGTTTGACTTGAATGTAACAATATTGTTGGAATAAGAAACACATTCCTTCTCAGAACTTATGCATAC
CTTGAAAATCGAGTTCGTCGGTATGCTGCTGATTAAGAAGTGGCAAGTCACCATCAGATAAATGAT
GCCAGTCGTGGTACTTTAAGCAGCTATAGTCTTGTATTGATGGTTTTGCACTATTTACAAACCCTACCT
GAACCCATCCTCCATCCCTCAAAAAATTTACCAGAGTCTTTTAGTCTGCTATACAGCTGCACCTT
GTACATCAAGCTCCATGTAATGTTCTCCTTACCTCTCAAAGAATGAATCAAACCTTGGGGACCTCTTA
CTGGGCTTTCTTAAATATTATGCTACAGAATTTGACTGGAATAGTCAAATGATTTTCAGTTGTAAGCC
AAAGCCATTCCAAGCCCTGATGGTATTGAATGGAGAAATAAATACATCTGTGTAGAAGAACCTTTTGAT
GGAAACAAATACAGCCAGAGCAGTGCACGAAAAGCAGAAATTTGATATGATCAAGGATCAATTTTTAAG
TCATGGCACAGATTGAAAAACAAGAGAGATTTGAACAGTATACTACCTGTAAGAGCTGCTGCTGAAA
AGATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001114394

Insert Size: 1455 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001114394.1](#)

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]

Transcript Variant: This variant (1) encodes isoform 1. Variants 1, 2, 3, 10, and 11 encode the same protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.