

Product datasheet for **SC101228**

TENT2 (NM_173797) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TENT2 (NM_173797) Human Untagged Clone
Tag:	Tag Free
Symbol:	TENT2
Synonyms:	APD4; GLD2; PAPD4; TUT2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_173797, the custom clone sequence may differ by one or more nucleotides

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ATGTTCCCAAACCTCAATTTGGGTCGCCACCCTTCACTCCAAATCATCAACAACATAATAACTTCTTTA
CCCTGTCACTACTGTTTATTCACACCAGCAGCTTATAGATGCACAATCAACTTTCAGAATGCAGACTT
GTCTAGAGCTGTGTCATTACAGCAGCTGACATATGGAAATGTCAGTCCAATACAGACCTCAGCTTCCCA
TTATTTTCGAGGAAGGAAGAGATTAAGCGATGAAAAAACCTTCTCTTGACGGTAAACGGCAACGTTTCC
ATTCACCCCAAGAGCAACTGTAGTTAACCAGATAGTGCCTTATCAGGTGAACGAAGATACTCAAT
GCCACCATGTTTCATACACATTATGTACCAGATATAGTCAGATGTGTTCCACCTTTTCGAGAAATTGCA
TTTTTAGAACCTAGAGAAATCACACTGCCTGAGGCCAAAGATAAGTTGAGTCAGCAGATACTGGAGTTAT
TTGAAACATGTCAGCAGCAAATAAGTGATTTAAAGAAGAAAGAACTCTGTGCAACACAGCTGCAGAGAGA
AATTCAGCTGTTATTTCCACAAAGCAGACTTTTTTTGGTTGGGTCCTCTTTAAATGGATTTGGTACCCGG
AGCAGTGATGGTGATTTATGCCTAGTTGTTAAGGAAGAACCATGTTTTTTTCAGGTAAATCAGAAGACTG
AAGCACGGCATATACTCACCTTAGTCCATAAACACTTCTGTACTAGACTTTCGGGCTACATTGAGAGACC
TCAGCTGATTCGAGCAAAAGTGCCAATTGTGAAGTTCAGGGATAAAGTCAGTTGTGTGGAGTTTGACTTG
AATGTAACAATATTGTTGGAATAAGAAACACATTCCTTCTCAGAACTTATGCATACCTTGAATAACGAG
TTCGTCGTTAGTGCTGGTGATTAAGAAGTGGGCAAGTCACCATCAGATAAATGATGCCAGTCGTGGTAC
TTTAAGCAGCTATAGTCTTGATTGATGGTTTTGCACTATTTACAAACCCTACCTGAACCCATCCTTCCA
TCCTCCAAAAAATTTACCCAGAGTCTTTTAGTCCTGCTATACAGCTGCACCTTGTACATCAAGCTCCAT
GTAATGTTCTCCTTACCTCTCAAAGAATGAATCAAACCTTGGGGACCTCTTACTGGGCTTTCTTAATA
TTATGCTACAGAATTTGACTGGAATAGTCAAATGATTTTCAGTTTCGTGAAGCCAAAGCCATTCGAAGGCT
GATGGTATTGAATGGAGAAATAATACATCTGTGTAGAAGAACCCTTTGATGGAACAAAATACAGCCAGAG
CAGTGCACGAAAAGCAGAAATTTGATATGATCAAGGATCAATTTTTAAAGTCATGGCACAGATTGAAAA
CAAGAGAGATTTGAACAGTATACTACCTGTAAGAGCTGCTGTCTGAAAAGATAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_173797 unedited CCCTACCTTTTCTGTGTTGCTCCTCCCCTGGCAGCCGTGAGGGGGTTAGATCTCAGCC GGAGCCGGAGCTGGGCCTAGCTGTCCCACGGGCCACCACTACCTCCTTTGGTTCGGGAGA AAGCTACGACCAAGTACGCCAGCTCGGGCCTTAGAACTTCTGAACGGGCAGTCCGGGTA GGCCCTGCTTAGCCCTTCCCGGAGGACACCTGTGAGTTTAGGGGGTTTCGGAGAGGAACG CAGCAGTGTAGGCCCAGGTCGGCGGGGGCACGGGAACTTTCCGAAACGGTAGCGTT TTGTTTTGCGTGGGAGGTTCCAGCAGTATCTCTGGTTATCCAAATTTATGGGCGGCAT CTGGGCTGCTGTACATTTTGAAGAATCTTAGGACCGCTTACTTTGCTTACTCGTTTTCTA TTCTCGCGTACTGCCTCGTCCACCACTCCAGGACCAAAAAGAGGAAGATAGTCTTGGGAC CCTTGCATGGTGTTCAAAGGGTGGTGAAGAACTAAGGTAGAAGAATACATGTTCACTTC CAGTGAACAAGAGCATGTTCCCAAACCTCAATTTGGGTCGCCACCCTTCACTCCAAATC ATCAACAACATAATAACTTCTTTACCCTGTACCTACTGTTTATTACACCAGCAGCTTA TAGATGCACAATTCAACTNTCAGAATGCAGACTGTCTAGAGCTGTGTCATTACAGCAGC TGACATATGGAATGTCAGTCCAATACAGACCTCAGCTTCCNCATTTTCGAGGAAGGN NAGAGATNAGCGATGAAAAAACCTTCTCTTGACG
Restriction Sites:	NotI-NotI
ACCN:	NM_173797
Insert Size:	3700 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).
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:	<ol style="list-style-type: none"> 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:	<u>NM_173797.2</u> , <u>NP_776158.1</u>
RefSeq Size:	2755 bp
RefSeq ORF:	1455 bp
Locus ID:	167153
UniProt ID:	<u>Q6PIY7</u>
Cytogenetics:	5q14.1

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 (3) differs in the 5' UTR compared to variant 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.