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Product datasheet for SC318907

TENT2 (NM_001114393) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TENT2 (NM_001114393) 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:

>SC318907 representing NM_001114393.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTCCCAAACTCAATTTTGGGTCGCCCACCCTTCACTCCAAATCATCAACAACATAATAACTTCTTT
ACCCTGTCACCTACTGTTTATTCACACCAGCAGCTTATAGATGCACAATTCAACTTTCAGAATGCAGAC
TTGTCTAGAGCTGTGTCATTACAGCAGCTGACATATGGAAATGTCAGTCCAATACAGACCTCAGCTTCC
CCATTATTTCGAGGAAGGAAGAGATTAAGCGATGAAAAAAACCTTCCTCTTGACGGTAAACGGCAACGT
TTCCATTCACCCCACCAAGAGCCAACTGTAGTTAACCAGATAGTGCCTTTATCAGGTGAACGAAGATAC
TCAATGCCACCATTGTTTCATACACATTATGTACCAGATATAGTCAGATGTGTTCCACCTTTTCGAGAA
ATTGCATTTTTAGAACCTAGAGAAATCACACTGCCTGAGGCCAAAGATAAGTTGAGTCAGCAGATACTG
GAGTTATTTGAAACATGTCAGCAGCAAATAAGTGATTTAAAGAAGAAAGAACTCTGTCGAACACAGCTG
CAGAGAGAAATTCAGCTGTTATTTCCACAAAGCAGACTTTTTTTGGTTGGGTCCTCTTTAAATGGATTT
GGTACCCGGAGCAGTGATGGTGATTTATGCCTAGTTGTTAAGGAAGAACCATGTTTTTTTCAGGTAAAT
CAGAAGACTGAAGCACGGCATATACTCACCTTAGTCCATAAACACTTCTGTACTAGACTTTCGGGCTAC
ATTGAGAGACCTCAGCTGATTCGAGCAAAAGTGCCAATTGTGAAGTTCAGGGATAAAGTCAGTTGTGTG
GAGTTTGACTTGAATGTAAACAATATTGTTGGAATAAGAAACACATTCCTTCTCAGAACTTATGCATAC
CTTGAAAATCGAGTTCGTCCGTTAGTGCTGGTGATTAAGAAGTGGGCAAGTCACCATCAGATAAATGAT
GCCAGTCGTGGTACTTTAAGCAGCTATAGTCTTGTATTGATGGTTTTGCACTATTTACAAACCCTACCT
GAACCCATCCTTCCATCCCTCCAAAAAATTTACCCAGAGTCTTTTAGTCCTGCTATACAGCTGCACCTT
GTACATCAAGCTCCATGTAATGTTCCTCCTTACCTCTCAAAGAATGAATCAAACCTTGGGGACCTCTTA
CTGGGCTTTCTTAAATATTATGCTACAGAATTTGACTGGAATAGTCAAATGATTTCAGTTCGTGAAGCC
AAAGCCATTCCAAGGCCTGATGGTATTGAATGGAGAAATAAATACATCTGTGTAGAAGAACCTTTTGAT
GGAACAAATACAGCCAGAGCAGTGCACGAAAAGCAGAAATTTGATATGATCAAGGATCAATTTTTAAAG
TCATGGCACAGATTGAAAAACAAGAGAGATTTGAACAGTATACTACCTGTAAGAGCTGCTGTCCTGAAA
AGATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:

ACCN: NM_001114393

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_001114393.1
RefSeq Size:	3248 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 (2) 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.