

Product datasheet for **RG238475**

TENT2 (NM_001297744) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TENT2 (NM_001297744) 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:	>RG238475 representing NM_001297744. Blue=ORF Red=Cloning site Green=Tag(s)

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ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTTAAAC
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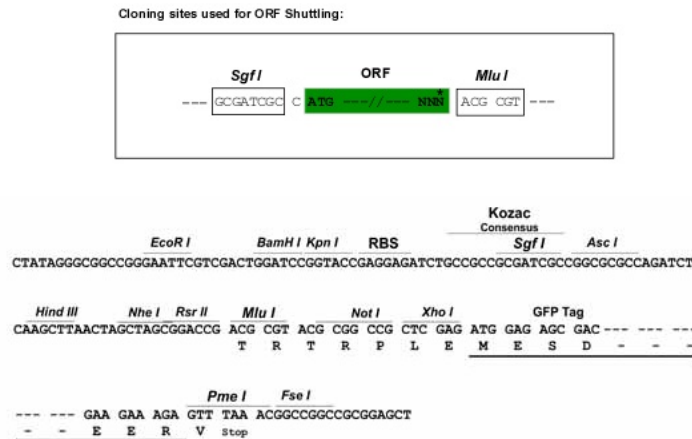
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG238475
 Blue=ORF Red=Cloning site Green=Tag(s)

MFPNSILGRPPFTPNHQHNNFFTLSPVYSHQQLIDAQFNFQADLSRAVSLQQLTYGNVSPIQTSAS
 PLFRGRKRLSDEKNLPLDGKRQRFHSPHQEPTVVNQIVPLSGERRYMPPLFHTHVYVDIVRCVPPFRE
 IAFLEPREITLPEAKDKLSQQILELFCQIQIIDLKKELCRTQLQREIQLLFPQSRLFLVGSLLNGF
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 PSLQKIYPEFSFAIQLHLVHQAPCNVPPYLKSNESNLGDLGLFLKYYATEFDWNSQMI SVREAKAIP
 RPDGIEWRNKYICVEEFPDGTNTARAVHEKQKFDMIKDQFLKSWHRLKNKRDLSILPVRAAVLKR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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.

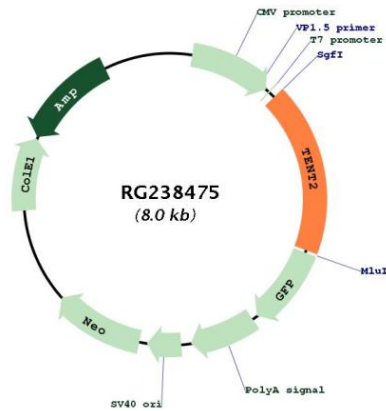
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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]

Product images:



Circular map for RG238475