

Product datasheet for **RG215475**

TENT5C (NM_017709) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TENT5C (NM_017709) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TENT5C
Synonyms:	FAM46C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215475 representing NM_017709 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAGGAGAGCAGCTGTACCAGGGATTGCATGTCCTTCAGCGTGCTCAACTGGGATCAGGTTAGCC
GGCTGCATGAGGTCCTCACTGAAGTTGTACCTATCCACGGACGAGGCAACTTTCCAACCTTGAGATAAC
TCTGAAGGACATCGTCCAGACCGTCCGCAGTCCGGCTGGAGGAGGCAGGCATCAAAGTGCACGACGTCGG
CTGAATGGCTCCGCAGCTGGCCACGTTTTGGTCAAAGACAATGGCTTGGGCTGCAAAGACCTGGACCTAA
TCTTCCATGTGGCTCTTCCAACAGAGGCAGAATTCAGCTGGTTAGAGATGTGGTTCTGTGTTCCCTTCT
GAACTTCCCTGCCAGAGGGTGTGAACAAGCTCAAAATCAGTCCAGTCACTCTGAAGGAGGCATATGTGCAG
AAGCTAGTGAAGGTTTGCACGGACACTGACCGCTGGAGCCTGATCTCCCTCTCCAACAAGAACGGGAAGA
ACGTGGAGCTGAAGTTTGTGCAGTCCATTCGGCGTCAGTTTGTAGTTTCACTGTGGACTCTTTCCAATCAT
CCTGGATTCTTTGCTTTTCTTATGACTGTTCCAATAATCCCATCTCTGAGCACTTCCACCCACCGTG
ATTGGGGAGAGCATGTACGGGGACTTTGAGGAAGCTTTGACCATCTGCAGAACAGACTGATCGCCACCA
AGAACCAGAGAAGAAATCAGAGGGCGGGGACTTCTCAAGTACAGCAACCTTCTTGTGCGGGACTTCAGGCC
CACAGACCAGGAAGAAATCAAACCTCTAGAGCGCTACATGTGCTCCAGGTTCTTCATCGACTTCCCGGAC
ATCCTTGAACAGCAGAGGAAGTTGGAGACTTACCTTCAAACCACTTCGCTGAAGAGAGAGAAGCAAGT
ACGACTACCTCATGATCCTTCGCAGGGTGGTGAACGAGAGCACCGTGTGTCTCATGGGGCATGAACGCAG
GCAGACTCTGAACCTCATCTCCCTCCTGCCTTGCCTGTGCTGGCGGAACAAAACATCATCCCCAGTGCC
ACCAACGTACCTGTTACTACCAGCCGGCCCTTACGTCACTGATGGCACTTCAGCAACTACTACGTTG
CCCATCTCCAGTCACCTACAGCCAGCCTTACCCTACCTGGCTGCCCTGTAAC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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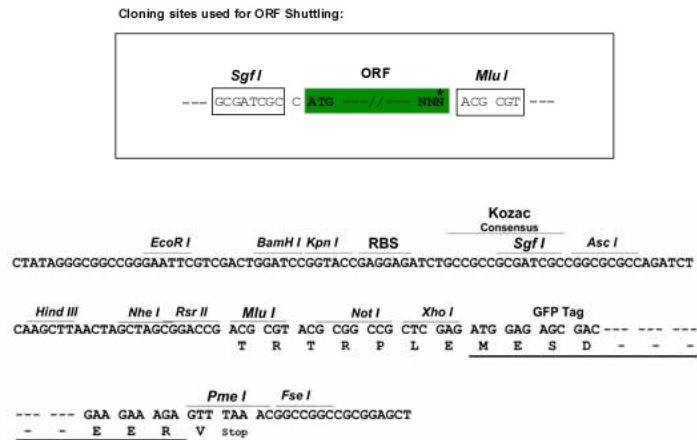
Protein Sequence: >RG215475 representing NM_017709
 Red=Cloning site Green=Tags(s)

MAEESSTRDCMSFVSLNWDQVSRLHEVLTEVVPPIHGRGNFPTLEITLKDIVQTVRSRLEEAGIKVHDVR
 LNGSAAGHVLVKDNGLGCKDLDFHVALPTEAEFQLVRDVVLCSSLNFLPEGVNLKISPVTLKEAYVQ
 KLVKVCCTDTRWSLISLKNKNGKNVELKFVDSIRRRQFEFVDSFQIILDSLLFFYDCSNNPISSEHFHPTV
 IGESMYGDFEEAFDHLQNRLIATKNPEEIRGGGLLKYSNLLVRDFRPTDQEEIKTLERYMCSRFFIDFPD
 ILEQQRKLETYLQNHFAEEERSKYDYLMILRRVNESTVCLMGHERRQLNLISLLALRVLAEQNIIPSA
 TNVTCYQPAPYVSDGNFSNYYVAHPPVYTSQPYPTWLPEN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017709

ORF Size: 1173 bp

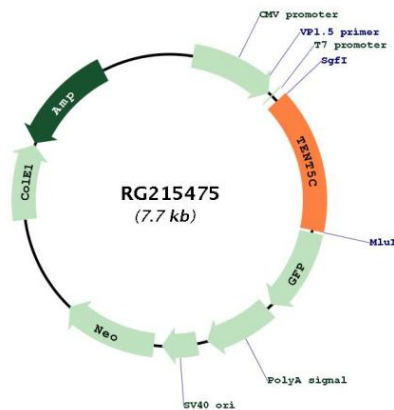
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).
- 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_017709.4](#)
- RefSeq Size:** 5695 bp
- RefSeq ORF:** 1176 bp
- Locus ID:** 54855
- UniProt ID:** [Q5VWP2](#)
- Cytogenetics:** 1p12
- Gene Summary:** Nucleotidyltransferase that act as a non-canonical poly(A) RNA polymerase which enhances mRNA stability and gene expression. Mainly targets mRNAs encoding endoplasmic reticulum-targeted protein and may be involved in induction of cell death.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG215475