

Product datasheet for RC215475

TENT5C (NM_017709) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TENT5C (NM_017709) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TENT5C
Synonyms:	FAM46C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215475 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAGGAGAGCAGCTGTACCAGGGATTGCATGTCCTTCAGCGTGCTCAACTGGGATCAGGTTAGCC
GGCTGCATGAGGTCCTCACTGAAGTTGTACCTATCCACGGACGAGGCAACTTTCCAACCTTGAGATAAC
TCTGAAGGACATCGTCCAGACCGTCCGCGAGTGGCTGGAGGAGGCAGGCATCAAAGTGCACGACGTCGG
CTGAATGGCTCCGACGTGGCCACGTTTTGGTCAAAGACAATGGCTTGGGCTGCAAAGACCTGGACCTAA
TCTTCCATGTGGCTCTTCCAACAGAGGCAGAATTCAGCTGGTTAGAGATGTGGTTCTGTGTTCCCTTCT
GAACTTCCTGCCAGAGGGTGTGAACAAGCTCAAAATCAGTCCAGTCACTCTGAAGGAGGCATATGTGCAG
AAGCTAGTGAAGGTTTGCACGGACACTGACCGCTGGAGCCTGATCTCCCTCTCCAACAAGAACGGGAAGA
ACGTGGAGCTGAAGTTTGTGCGACTCCATTCGGCGTCAGTTTGTAGTTTCAAGTGTGGACTCTTTCCAATCAT
CCTGGATTCTTTGCTTTTCTTATGACTGTTCCAATAATCCCATCTCTGAGCACTTCCACCCACCCTG
ATTGGGGAGAGCATGTACGGGGACTTTGAGGAAGCTTTGACCATCTGCAGAACAGACTGATCGCCACCA
AGAACCAGAAAGAAATCAGAGGGCGGGGACTTCTCAAGTACAGCAACCTTCTTGTGCGGGACTTCAGGCC
CACAGACCAGGAAGAAATCAAACCTCTAGAGCGCTACATGTGCTCCAGGTTCTTCATCGACTTCCCGGAC
ATCCTTGAACAGCAGAGGAAGTTGGAGACTTACCTTCAAACCACTTCGCTGAAGAGAGAGAAGCAAGT
ACGACTACCTCATGATCCTTCGCAGGGTGGTGAACGAGAGCACCGTGTGTCTCATGGGCATGAACGCAG
GCAGACTCTGAACCTCATCTCCCTCCTGGCCTTGCCTGTGCTGGCGGAACAAAACATCATCCCCAGTGCC
ACCAACGTACCTGTTACTACCAGCCGGCCCTTACGTCACTGATGGCACTTCAGCAACTACTACGTTG
CCCATCTCCAGTCACCTACAGCCAGCCTTACCCTACCTGGCTGCCCTGTAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC215475 protein sequence
Red=Cloning site Green=Tags(s)

MAEESSTRDCMSFVSLNWDQVSRLEHVLTEVVP⁺IHGRGNFPTLEITLKDIVQTVRSRLEEAGIKVHDVR
 LNGSAAGHVLVKDNGLGCKDLDLIFHVALPTEAEFQLVRDVVLCSSLNFLPEGVNLKISPVTLKEAYVQ
 KLVKVC⁺TDTRWLSLISLNKNGKNVELKFVDSIRRRQFEFVDSFQIILDSLLFFYDCSNNP⁺ISEHFHPTV
 IGESMYGDFEEAFDHLQNR⁺LIATKNPEEIRGGGLLKYSNLLVRDFRPTDQEEIKTLERYMCSRFFIDFPD
 ILEQQRKLETYLQNHFAEEERSKYDYLMLRRVNESTVCLMGHERRQTLNLI⁺SLLALRVLAEQNIIPSA
 TNVTCYQAPAPYVSDGNFSNYYVAHPV⁺YSQPYP⁺TWLP⁺CN

TRTRPLEQKLISEEDLAANDILDYKDDDDK⁺V

Chromatograms: https://cdn.origene.com/chromatograms/mk6452_b01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_017709

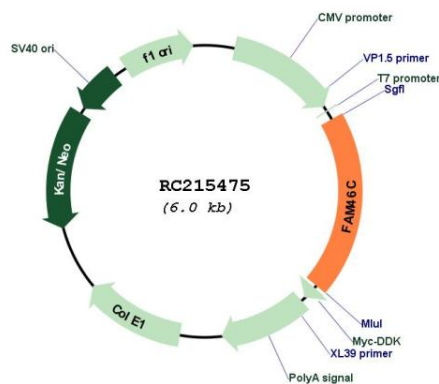
ORF Size: 1173 bp

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.

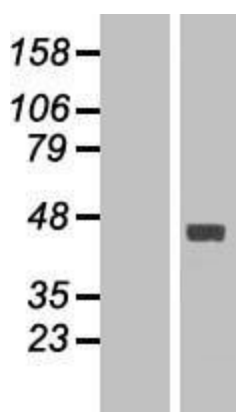
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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:	<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:	NM_017709.4
RefSeq Size:	5720 bp
RefSeq ORF:	1176 bp
Locus ID:	54855
UniProt ID:	Q5VWP2
Cytogenetics:	1p12
MW:	44.9 kDa
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]

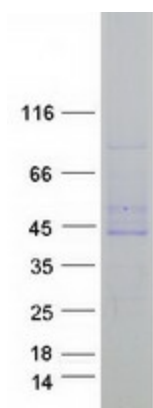
Product images:



Circular map for RC215475



Western blot validation of overexpression lysate (Cat# [LY413617]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215475 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TENT5C protein (Cat# [TP315475]). The protein was produced from HEK293T cells transfected with TENT5C cDNA clone (Cat# RC215475) using MegaTran 2.0 (Cat# [TT210002]).