

## Product datasheet for **RC200181**

### **TENT5A (NM\_017633) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TENT5A (NM_017633) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TENT5A
Synonyms:	C6orf37; FAM46A; OI18; XTP11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC200181 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGAGGGTGAAGGGTACTTCGCCATGTCTGAGGACGAGCTGGCCTGCAGCCCTACATCCCCCTAG  
 GCGGCGACTTCGGCGGCGGCGACTTCGGCGGCGGCGACTTCGGCGGCGGCGACTTCGGCGGTGGCGGCGAG  
 CTTCCGGTGGGCATTGCTTGGACTATTGCGAAAGCCCTACGGCGCACTGCAATGTGCTGAAGTGGGAGCAA  
 GTGCAGCGGCTGGACGGCATCTGAGCGAGACCATTCCGATTACGGGCGCGGCAACTTCCCCACGCTCG  
 AGCTGCAGCCGAGCCTGATCGTGAAGTGGTGGCGGCGGCGCTGGCCGAGAAGCGCATTGGCGTCCGCGA  
 CGTGGCCTCAACGGCTCGGCAGCCAGCCATGCTCAGCAGGACAGCGGCTGGGCTACAAGGACCTG  
 GACCTCATCTTCTGCGCCGACTGCGCGGGGAAGGGGAGTTTCAGACTGTGAAGGACGTCGTGCTGGACT  
 GCCTGTTGGACTTCTTACCCGAGGGGTGAACAAAGAGAAGATCACACCACTCACGCTCAAGGAAGCTTA  
 TGTGCAGAAAATGTTAAAGTGTCAATGACTCTGACCGATGGAGTCTTATATCCCTGTCAAACAACAGT  
 GGCAAAAATGTGGAAGTAAATTTGTGGATTCCCTCCGGAGGCAGTTTGAATTCAGTGTAGATTCTTTTC  
 AAATCAAATTAGACTCTTCTGCTCTTTTATGAATGTTCAAGAAACCAATGACTGAGACATTTACCC  
 CACAATAATCGGGGAGAGCGTCTATGGCGATTTCCAGGAAGCCTTTGATCACCTTTGTAACAAGATCATT  
 GCCACCAGGAACCCAGAGGAAATCCGAGGGGGAGGCGCTGCTAAGTACTGCAACCTCTTGGTGAGGGGCT  
 TTAGGCCCGCCTCTGATGAAATCAAGACCTTCAAAGGTATATGTGTTCCAGGTTTTTCATCGACTTCTC  
 AGACATTGGAGAGCAGCAGAGAAAAGTGGAGTCTATTTGCAGAACCACTTTGTGGGATTGGAAGACCGC  
 AAGTATGAGTATCTCATGACCTTCAAGGAGTGGTAAATGAGAGCACAGTGTGCCTGATGGGACATGAAA  
 GAAGACAGACTTTAAACCTTATCACCATGCTGGCTATCCGGGTGTAGCTGACCAAAATGTCATTCTTAA  
 TGTGGCTAATGTCACTTGTCTATTACAGCCAGCCCTATGTAGCAGATGCCAACTTTAGCAATTACTAC  
 ATTGCACAGGTTCAAGCAGTATTACGTGCCAGCAACAGACCTACTCCACTTGGCTACCCTGCAAT

**ACGCGT**ACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC200181 protein sequence  
 Red=Cloning site Green=Tags(s)

MAEGEGYFAMSEDELACSPYIPLGGDFGGGDFGGGDFGGGDFGGGDFGGGDFGGHCLDYCESPTAHCNVLNWEQ  
 VQRLDGILSETIPIHGRGNFPTLELQPSLIVKVVRRRLAEKRIGVRDVRNLNGSAASHVLHQDGLGYKDL  
 DLIFCADLRGEGEFQTVKDVLDCLLDLPEGVNKEKITPLTLKEAYVQKMKVVCNDSRWSLISLNNNS  
 GKNVELKFVDSLRRQFEFVDSFQIKLDSLLLFYECSENPMTETFHPTIIGESVYGFQEAFDHLCNKII  
 ATRNPEEIRGGGLLKYNLLVRGFRPASDEIKTLQRYMCSRFFIDFSDIGEQRKLESYLQNHVGLDR  
 KYEYLMTLHGTVNESTVCLMGHERRQTLNLIITMLAIRVLADQNVIPNVANVTCTYYQPAPYVADANFVSNYY  
 IAQVQPVFTCQQTYSTWLPEN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6583\\_a02.zip](https://cdn.origene.com/chromatograms/mk6583_a02.zip)

**Restriction Sites:**

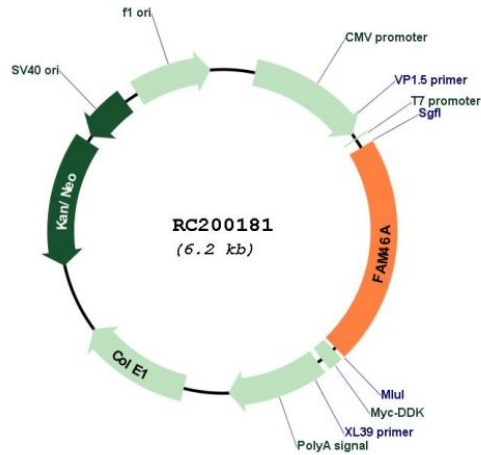
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


**ACCN:** NM\_017633

**ORF Size:** 1326 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).

**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\\_017633.3](#)

**RefSeq Size:** 5617 bp

**RefSeq ORF:** 1329 bp

**Locus ID:** 55603

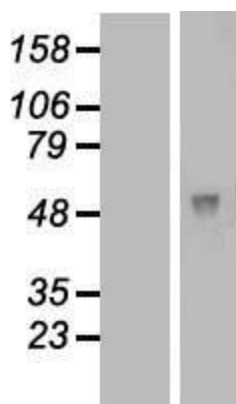
**UniProt ID:** [Q96IP4](#)

**Cytogenetics:** 6q14.1

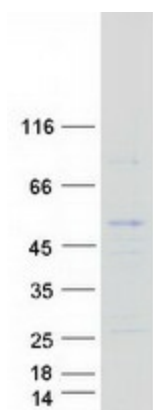
**MW:** 49.7 kDa

**Gene Summary:** Probable nucleotidyltransferase that may act as a non-canonical poly(A) RNA polymerase. [UniProtKB/Swiss-Prot Function]

### Product images:



Western blot validation of overexpression lysate (Cat# [LY413634]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200181 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TENT5A protein (Cat# [TP300181]). The protein was produced from HEK293T cells transfected with TENT5A cDNA clone (Cat# RC200181) using MegaTran 2.0 (Cat# [TT210002]).