

## Product datasheet for **RC211861**

### TPTE2 (NM\_130785) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TPTE2 (NM_130785) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TPTE2
Synonyms:	TPIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC211861 representing NM\_130785  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAATGAAAGTCCACAGACAAACGAATTTAAAGGAACAACCGAGGAGGCACCTGCGAAAGAAAGCCCAC  
 ACACAAGTGAATTTAAAGGAGCAGCCCTGGTGTACCTATCAGTAAAAGAATATTTGGAGTTTTCTGGT  
 CTTACTGGATGTCACTCTCCTCCTTGCCGACCTAATTTCACTGACAGCAAACCTTATATTCCTTTGGAG  
 TATCGTCTATTTCTCTAGCTATTGGCTTATTTTTTCTCATGGATGTTCTTCTCGAGTATTTGTAGAAG  
 GATGGACACATTTAGTTCGACTTCTACGACTTATTATTCTGATAAGAATTTTCTGCTTCATCAAAA  
 AAGACAACCTGAAAAGCTGATGAGAAGGCTGGTTTCAGAAAACAAAAGGCGATACACAAGGGATGGATT  
 GACCTAGACCTCACTTACGTTACAGAACGTATTATTGCTATGTCATTTCCATCTTCTGGAAGGCAGTCTT  
 TCTATAGAAATCCAATTGAGGAAGTTGTGCGGTTCTAGATAAGAAACATCGAAACCACTATCGAGTCTA  
 CAATCTATGCAGTGAAAGAGCTTATGATCCTAAGCACTCCATAATAGGGTCAGTAGAATCATGATTGAT  
 GATCATAATGTCCCACTCTACATGAGATGGTGGTTTTCCCAAGGAAGTAAATGAGTGGATGGCTCAAG  
 ATCTTGAAAACATCGTAGCGATTCACTGTAAGGAGGCAAGGAAGAACCAGGACTATGGTTTGTGCCCT  
 CCTTATTGCCCTCCGAAATATTTTAACTGCCGAGGAAAGCCTATATTTTGGAGAAAAGCGAACC  
 AAAACCCACAGCAATAAATTTCAAGGAGTAGAACTCCTTCTCAGAAATAGATATGTTGGATATTTGCAC  
 AAGTGAACATCTCTACAACCTGGAATCTCCCTCCAAGACGGATACTCTTTATAAAAAGATTCAATATTTA  
 TTCGATTCGTGGTGATGTATGTGATCTAAAAGTCCAAGTAGTAATGGAGAAAAAGTTGTCTTTCCAGT  
 ACTTCATTAGGAAATGTTTCGATATTGCATGACATTGAAACAGACAAAATATTAATTAATGATATGACG  
 GTCCACCTCTGTATGATGATGTGAAAGTGCAGTTTTTCTTTCGAATCTTCTAAATACTATGACAATTG  
 TCCATTTTTCTTCTGGTTCAACACGCTTTTTATTCAAAAATAACAGGCTTTGTCTACCAAGAAATGAATTG  
 GATAATCCACATAAAACAAAAGCATGGAATTTATCCACCAGAATTTGCTGTGGAGATACTTTTTGGCG  
 AGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC211861 representing NM\_130785  
 Red=Cloning site Green=Tags(s)

MNESPQTNEFKGTTEEAPAKESPHTSEFKGAALVSPISKRIFGVFLVLLDVLLLLADLIFTDSKLYIPLE  
 YRSISLAIGLFFLMDVLLRVFVEGWTHLVRLRLIILIRIFHLLHQKQLEKLMRRLVSENKRRYTRDGF  
 DLDLTYVTERIIAMSPSSGRQSFYRNP IEEVVRFLDKKHRNHRYVYVNLCSERAYDPKHFHNRVSRIMID  
 DHNVPTLHEMVVFTEVNEWMAQDLENIVAIHCKGGKGRGTGMVCALLIASEIFLTAESLYYFGERRTN  
 KTHSNKFGVETPSQNRVYGYFAQVKHLYNWNLPPRRILFIKRFIIYSIRGDVCDLKVQVMEKKVVFSS  
 TSLGNCSILHDIETDKILINVYDGPPLYDDVKVQFFSSNLPKYDNCPPFFWFNTSFIQNNRLCLPRNEL  
 DNPHKQKAWKIYPPEFAVEILFGEK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_130785

**ORF Size:** 1335 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_130785.3](#)

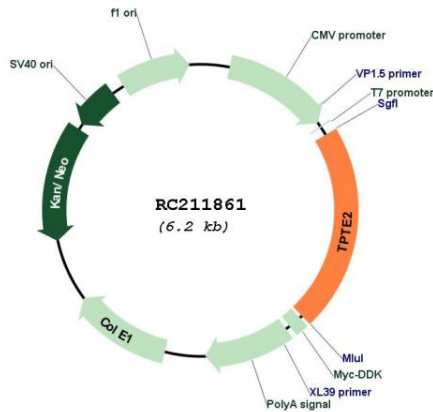
**RefSeq Size:** 1735 bp

**RefSeq ORF:** 1338 bp

**Locus ID:** 93492

UniProt ID: [Q6XPS3](#)  
 Cytogenetics: 13q12.11  
 Protein Families: Druggable Genome, Transmembrane  
 MW: 52.1 kDa  
 Gene Summary: TPIP is a member of a large class of membrane-associated phosphatases with substrate specificity for the 3-position phosphate of inositol phospholipids.[supplied by OMIM, Jul 2002]

**Product images:**



Circular map for RC211861