

Product datasheet for **RC213255**

TPTE2 (NM_199254) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TPTE2 (NM_199254) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RC213255 representing NM_199254
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATGAAAGTCCACAGACAAACGAATTTAAAGGAACAACCGAGGAGGCACCTGCGAAAGAAGCCAC
 ACACAAGTGAATTTAAAGGAGCAGCCCTGGTGTACCTATCAGTAAAAGTATGTTAGAACGACTTTCCAA
 GTTTGAAGTTGAAGATGCTGAAAATGTTGCTTCATATGACAGCAAGATTAGAAAATTGTCATTCAATT
 GTATCATCCTTTGCATTTGGAATATTTGGAGTTTTCTGGTCTTACTGGATGTCACCTCTCTCTGCCC
 ACCTAATTTTCACTGACAGCAAACCTTTATTCCTTTGGAGTATCGTTCTATTTCTAGCTATTGGCTT
 ATTTTTTCTCATGGATGTTCTTCTCGAGTATTTGTAGAAGGGAGACAGCAGTATTTTTCTGACTTATT
 AACATTTTAGATACTGCCATTATTGTGATTCCTCTGCTGGTTGATGTCATTTACATTTTTTTGACATTA
 AGTTGCTTAGGAATATCCAGATGGACACATTTAGTTCGACTTCTACGACTTATTATTCTGATAAGAAT
 TTTTCATCTGCTTCATCAAAAAGACAACCTGAAAAGCTGATGAGAAGGCTGGTTTCAGAAAACAAAAGG
 CGATACACAAGGGATGGATTTGACCTAGACCTCACTTACGTTACAGAACGTATTATTGCTATGTCATTTT
 CATCTTCTGGAAGGCAGTCTTTCTATAGAAATCCAATTGAGGAAGTTGTGCGGTTTCTAGATAAGAAACA
 TCGAAACCACTATCGAGTCTACAATCTATGCAGTAAAAGAGCTTATGATCCTAAGCACTTCATAATAGG
 GTCAGTAGAATCATGATTGATGATCATAATGTCCCACTCTACATGAGATGGTGGTTTTCCCAAGGAAG
 TAAATGAGTGGATGGCTCAAGATCTTGA AACATCGTAGCGATTCACTGTAAAGGAGGCAAAGGAAGAAC
 CGGGACTATGGTTTGTGCCCTCCTATTGCCTCCGAAATTTTTAACTGCCGAGGAAAGCCTATATTAT
 TTTGGAGAAAGGCGAACCAATAAAACCCACAGCAATAAATTTAGGGAGTAGAACTCCTTCTCAGAATA
 GATATGTTGGATATTTTGACAAGTGAACATCTCAACTGGAATCTCCCTCCAAGACGGATACTCTT
 TATAAAAAGATTCATTATTTATTCGATTGCTGGTGTATGTGATCTAAAAGTCCAAGTAGTAATGGAG
 AAAAAGGTTGTCTTTTCCAGTACTTCATTAGGAAATTGTTGATATTGCATGACATTGAAACAGACAAAA
 TATTAATTAATGTATATGACGGTCCACCTCTGTATGATGATGTGAAAGTGCAGTTTTTCTCTTCCGAATCT
 TCCTAAATACTATGACAATTGTCCATTTTTCTTCTGGTTCAACACGTCTTTTATTCAAATAACAGGCTT
 TGTCTACCAAGAAATGAATTGGATAATCCACATAAAACAAAAGCATGGAAAATTTATCCACCAGAATTTG
 CTGTGGAGATACTTTTTGGCGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC213255 representing NM_199254
 Red=Cloning site Green=Tags(s)

MNESPQTNEFKGTTEEAPAKESPHSTSEFKGAALVSPISKSMLERLSKFEVEDAENVASYDSKIKKIVHSI
 VSSFAFGIFGVFLVLLDVTLLLADLIFTDSKLYIPLEYRSISLAIGLFFLMDVLLRVFVEGRQQYFSDLF
 NILDTAIIVIPLLVDVIYIFFDIKLLRNIPRWTHLVRLLRLIILIRIFHLLHQKRQLEKLMRRLVSENKR
 RYTRDGFDDLTYVTERIIAMSPSSGRQSFYRNP IEEVVRFLDKKHRNHRYVYNLCSERAYDPKHFHNR
 VSRIMIDDHNVPTLHEMVVFTKEVNEWMAQDLENIVAIHCKGGKGRGTMTVCALL IASEIFLTAESLYY
 FGERRTNKTHSNKFQGVETPSQNRVYGYFAQVKHLYNWNLP PRRILFIKRFIIYSIRGDVCDLKVQVME
 KKVVFSSTSLGNCSILHDIETDKILINVYDGPPLYDDVKVQFFSSNLPKYDNCPPFFWFNTSFIQNNRL
 CLPRNELDNPHKQKAWKIYPPEFAVEILFGEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8013_h06.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_199254

ORF Size: 1566 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.

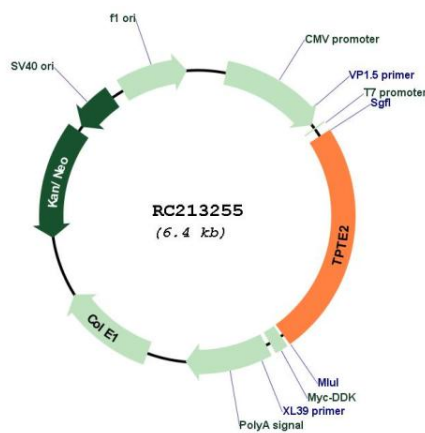
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_199254.2](#), [NP_954863.2](#)

RefSeq Size:	1966 bp
RefSeq ORF:	1569 bp
Locus ID:	93492
UniProt ID:	<u>Q6XPS3</u>
Cytogenetics:	13q12.11
Protein Families:	Druggable Genome, Transmembrane
MW:	60.9 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 RC213255