

## Product datasheet for **RR215292**

### **Tpte2 (NM\_001108877) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tpte2 (NM_001108877) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tpte2
Synonyms:	Tpte
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR215292 representing NM\_001108877  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACGGGAGTCAAAAAGAGCCATTTGTATCTCTGGATGGAGCACTACGGATACGATGGCCTGCAAGT  
 CCAGGGTGTATTCTCAGCTCTCCAGAAGAAGACGCAATGCAAACAAAAGGTGTTATCGAGCACGTCGAA  
 GTCCACTAAACTAAACGGCAGCATTGGCTATGACGAAATGAAGAGACAACCACGTTCACTAACGGAAAT  
 AGCATTGACAGTATGTCGTATCAAGATGACATGAAATCGTCAAATTGCATGGACCCACCAGTGAAGAAA  
 GATATGGAATGATTTCGTCATTATACACCATTGACGGAACCTTGAACAACGGCACAACCCTGTATGAAAT  
 GAATTCCTTGAGTGAATTATCGAAAGAAGTATACCTGAACGATTCTGCTTTGCTACGTGGTAAAGAAGCT  
 GCCAGCGAACTCCAAGTCTCAAGTACAATGAAAACACAATCATCTGTGTCGACCAGCATTCTCAGCACAT  
 CTGATTTAATATCAGAAGAAATCCAGGAAGAGCAAATCAACAAATGCAAGTTAAACCAGATCTCCAAGCT  
 GTACGACGAGGACGAGCATGTTGACATCCGAGAGTCATACTGGAGCACAGTTAAGAAATTTGTGCATTTT  
 CTGTGTCTCAGTTGCCTTTCAGAAATTTGGAATACTCCTGATCTTTCTGGATGTATTTCTGTGGCTA  
 TCGATCTACATGCCACTGAAAAGAATTTTATATTCCTTTGGAATATCGGGCCATTTCTTTAGCTATTGC  
 TTTATTTTCTTGTGGATGTTCTTCTCCGAGTGTATGTAGAAGGGAGACAGCGTTATTTCTGACGTG  
 CTGAACACCCTAGATGCTGTTGTCATCGGCGTACTGTGCTCGTGGCTGTCATTTATACACTTTATGACA  
 AACAGTTTCTCAGAAATATTCCAAGACTGGCAGTCTTACTTCGGCCTCTGCGACTGCTCATCCTGGTAAAG  
 AATTTTGCAGCTGGCCATCAGAAGCGACAACCTGGAAAAGCTGACTCGGCAGCTGGTTTCGGGTAACAAG  
 CGACGCTACAAGAAGGATGGCTTCGACCTGGACCTCACTTACGTCAGTACTGAGCGCATTATTGCCATGTCAT  
 TTCCATCATCTGGAAGGGAGTCTTCTATAGAAATCCAATTAAGGAAGTTGTCAGGTTCTCGACACCAA  
 GCATCCAAACCCTATCAAGTCTACAATCTATGCAGTGAGAGATCTTATGACCCTAAGCGCTTCCACTAC  
 AGGGTCCGCAGAATCATGATTGATGATCAACGTACCTACCCTCGAGGAAATGTTGTTGTTCTCCAAGG  
 AAGTAAATGATTGGATGGCCCAAGATCCTGAAAATGTTGTAGCAATTCAGTGTAAAGGGAGAAAAGGGAG  
 AACTGGAACCATGGTGTGTGCCTGCCTCATTGCCAGTGAATAGTCCTAAACGCAAAGGCAAGTCTGTAC  
 TTTTTGGAGAGCGACGGACAGATAAAAGTAACAGCTCTAAGTTTCAAGGAGTAGAGACCCCTTCTCAGA  
 ATAGATATGTTAAATATTTGAAAACGAAAACAGCTACCAATTGACTCTTCTCCAAAAAAGTACT  
 TGTGATAAAAAGATTCAGTGTACTCCATTGTTGTTGAAAAGGCAATGGAAGTATCTAGAATA  
 CAAATAATGATGTGGCAGGAGACGATTTTTCTGTTTTAATTCAAAAATGTATGATATTTTCATGATG  
 TTGAAACAGACAAAGTAATAATTAATGTGTTCAACTGTCCGGCTCTATATGATGATGTAAGGTAAGTAAAT  
 TCTCTGTCCGAATCTTCTAAATACTATGATGACTGCCCTTTTTCTTTGGTTTCATACATCTTTTATT  
 CGAAATAACAGGCTTTATCTACCAAGAAGCGAATTGGATAATACCATAAACAAAAACATGGAAAAATTT  
 ATGGTCCAAAGTTTCAGTTCGAGGTGATTTTGGAGGATAAGCTCCACGGTTATGTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215292 representing NM\_001108877  
 Red=Cloning site Green=Tags(s)

MQGVKKS HLYLWMEHYGYDGPASSRVYSQLSRRRRNANKKVL SSTS KSTKLNGS IGYDGN EETTTFTNGS  
 SIDSMSYQDDMKSSNCMDPTSEKRYGNDSSLYTIDGTLNNGTTL YEMNSLSEL SKEYV LND SALLRGKEA  
 ASELQVSSMTKTQSSVSTSILSTSDLI SEEQIEEQINKCKLNQISKLYDEDEHVDIRESYWSTVKKFVHF  
 LVSSVAFRIFGILLIFLDVFLVAIDLHATEKNIYIPLYRAISLAIALFFLVLDVLLRVYVEGRQRYFSDV  
 LNTLDVAVVIGVTVLVAVIYTLYDKQFLRNIPRLAVLLRPLRLLILVRILQLAHQKRQLEKLTRQLVSGNK  
 RRYKKDGFDLDTYVTERIIAMSPSSGRESFYRNPIKEVVRFLDTKHPNHQVYNLCSERSYDPKRFHY  
 RYRRIMIDDHNVPTLEEMLLFSKEVNDWMAQDPENVVAIHCKGGKGRGTGMVCACLIASEIVLNAKASLY  
 FFGERRTDKSNSSKFQGVETPSQNRYVYFEKLT SYQLTLPKKV LVIKRF TVYSIHGVGKNGSDLEI  
 QIMMWQETIFSCFNSKNCMI FHDVETDKVIINVFNC PALYDDVKVKFLCPNL PKYDDCPFFFWHTSFI  
 RNNRLYLPRSELDNTHKQKTWKIYGPKFAVEVYFEEISSVVMY

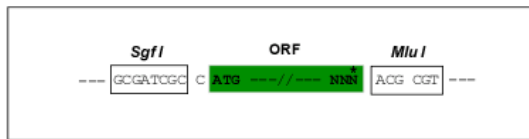
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Cloning Scheme:

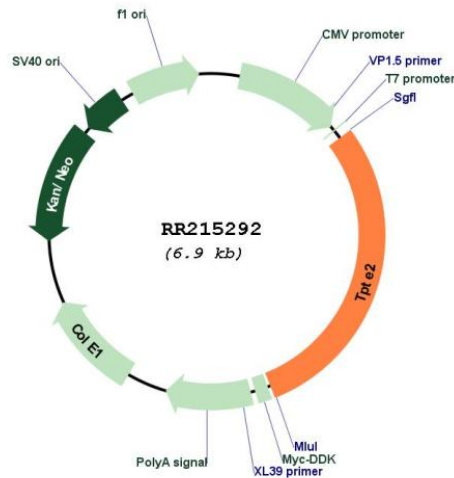
SgfI-MluI

Cloning sites used for ORF Shuttling:



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

## Plasmid Map:



ACCN: NM\_001108877

ORF Size: 2019 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\\_001108877.1](#), [NP\\_001102347.1](#)

RefSeq Size: 2566 bp  
RefSeq ORF: 2022 bp  
Locus ID: 364629  
Cytogenetics: 16q12.5  
MW: 77.9 kDa