

Product datasheet for **RC238074**

TPTE (NM_001290224) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TPTE (NM_001290224) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TPTE
Synonyms:	CT44; PTEN2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC238074 representing NM_001290224 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGTTCTTCTTCGAGTATTTGTAGAAAGGAGACAGCAGTATTTTTCTGACTATTTAACATTTT
ATACTGCCATTATTGTGATTCTTCTGCTGGTTGATGTCGTTTACATTTTTTTGACATTAAGTTGCTTAG
GAATATCCAGATGGACACATTTACTTCGACTTCTACGACTTATTATTCTGTTAAGAATTTTTTCATCTG
TTTCATCAAAAAGACAACCTTGAAAAGCTGATAAGAAGGCGGGTTTCAGAAAACAAAAGCGGATACACAA
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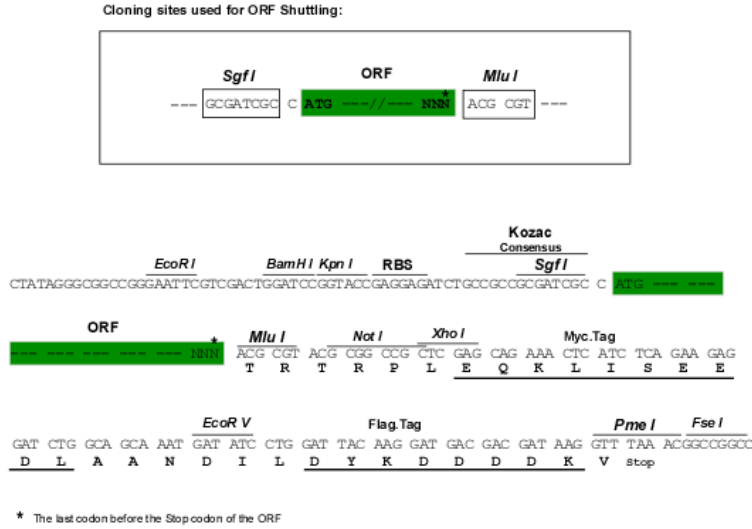
Protein Sequence: >RC238074 representing NM_001290224
 Red=Cloning site Green=Tags(s)

MDVLLRVFVERRQQYFSDLFNILDTAIIVILLVVDVVYIFFDIKLLRNIPRWTHLLRLLRLIILLRIFHL
 FHQKRQLEKLIRRRVSENKRRYTRDGFDLTYVTERIIAMSPSSGRQSFYRNPKEVVRFLDKKHRNH
 YRVYNLCSERAYDPKHFHNRVVRIMIDDHNVP TLHQMVVF TKEVNEWMAQDLENIVAIHCKGGTDRGTGM
 VCAFLIASEICSTAKESLYYFGERRTDKTHSEKFQGVETPSQKRYVAYFAQVKHLYNWNLP RRILFIKH
 FIIYSIPRYVRDLKIQIEMEKVVVSTISLGKCSVLDNIITDKILIDVFDGLPLYDDVKVQFFYSNLPTY
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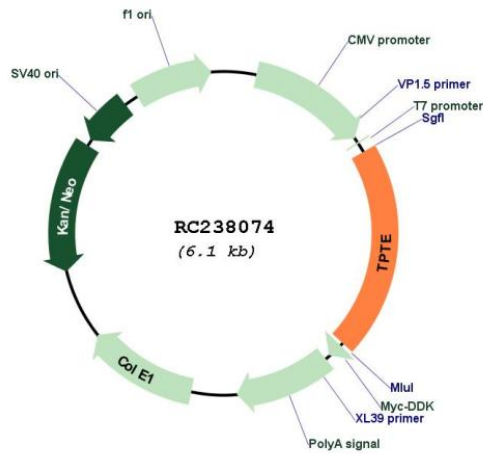
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290224

ORF Size:	1239 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:	<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_001290224.1 , NP_001277153.1
RefSeq Size:	2489 bp
RefSeq ORF:	1242 bp
Locus ID:	7179
UniProt ID:	P56180
Cytogenetics:	21p11.2
Protein Families:	Druggable Genome, Transmembrane
MW:	49.8 kDa
Gene Summary:	This gene encodes a PTEN-related tyrosine phosphatase which may play a role in the signal transduction pathways of the endocrine or spermatogenic function of the testis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]