

Product datasheet for **SC307914**

TPTE (NM_199259) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TPTE (NM_199259) Human Untagged Clone
Tag:	Tag Free
Symbol:	TPTE
Synonyms:	CT44; PTEN2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_199259 edited
 AGCGGGAAGGCAGGGGGCGGGCGTCTCCGAGCGGCGGGCCAAGGGAGGGCACAACAGC
 TGCTACCTGAACAGTTTCTGACCCAACAGTTACCCAGCGCGGACTCGCTGCGCCCCGGC
 GGCTCTAGGGACCCCGGCGCCAACACTTAGCTCCGCGCCGAGAGAATGTTGGACCGAC
 GACACAAGACCTCAGACTTGTGTTATTCTAGCAGCTGAACACACCCAGGCTCTTCTGAC
 CGGCAGTGGCTCTGGAAGCAGTCTGGTGTATAGAGTTATGGATTCACTACCAGATTCTAC
 TGTATGCTCTTGACAACATATGACCACAATGGTCCACCCACAAATGAATTATCAGGAGTGA
 ACCCAGAGGCACGTATGAATGAAAGTCCTGATCCGACTGACCTGGCGGGAGTCATCATTG
 AGCTCGGCCCCAATGACAGTCCACAGACAAGTGAATTTAAAGGAGCAACCGAGGAGGCAC
 CTGCGAAAGAAAGTGTGTAGCACGACTTTCCAAGTTTGAAGTTGAAGATGCTGAAAATG
 TTGCTTCATATGACAGCAAGATTAAGAAAATTGTGCATTCAATTGTATCATCCTTTGCAT
 TTGGACTATTTGGAGTTTTCTGGTCTTACTGGATGTCACCTCTCATCCTTGCCGACCTAA
 TTTTCACTGACAGCAAACTTTATATTCTTTGGAGTATCGTTCTATTTCTCTAGCTATTG
 CCTTATTTTTTCTCATGGATGTTCTTCTCGAGTATTTGTAGAAAGGAGACAGCAGTATT
 TTTCTGACTTATTTAACATTTTAGATACTGCCATTATTGTGATTCTTCTGCTGGTTGATG
 TCGTTTACATTTTTTTTACATTAAGTTGCTTAGGAATATTTCCAGATGGACACATTTAC
 TTCGACTTCTACGACTTATTATTCTGTTAAGAATTTTTTCATCTGTTTCATCAAAAAGAC
 AACTTGAAAAGCTGATAAGAAGGCGGGTTTCAGAAAACAAAAGGCGATACACAAGGGATG
 GATTTGACCTAGACCTCACTTACGTTACAGAACGTATTATTGCTATGTCATTTCCATCTT
 CTGGAAGGCAGTCTTTCTATAGAAATCCAATCAAGGAAGTTGTGCGGTTTCTAGATAAGA
 AACACCGAAACCACTATCGAGTCTACAATCTATGCAGTGAAAGAGCTTACGATCCTAAGC
 ACTTCCATAATAGGGTCGTTAGAATCATGATTGATGATCATAATGTCCCACTCTACATC
 AGATGGTGGTTTTCAACAAGGAAGTAAATGAGTGGATGGCTCAAGATCTTGAAAACATCG
 TAGCGATTCACTGTAAAGGAGGCACAGATAGAACAGGAACATATGGTTTGTGCCTTCCTTA
 TTGCCTCTGAAATATGTTCAACTGCAAAGGAAAGCCTGTATTATTTTGGAGAAAGCGAA
 CAGATAAAACCCACAGCGAAAAATTTTCAGGGAGTAGAACTCCTTCTCAGAAGAGATATG
 TTGCATATTTTGACAAGTGAAACATCTCTACAACCTGGAATCTCCCTCCAAGACGGATAC
 TCTTTATAAAACACTTCATTATTTATTCGATTCTCGTTATGTACGTGATCTAAAAATCC
 AAATAGAAATGGAGAAAAAGTTGTCTTTTCCACTATTTTATTAGGAAAAATGTTCCGGTAC
 TTGATAACATTACAACAGACAAAAATTAATTGATGTATTGACGGTCTACCTCTGTATG
 ATGATGTGAAAGTGCAGTTTTTCTATTGAAATCTTCTACATACTATGACAATTGCTCAT
 TTTACTTCTGGTTGCACACATCTTTTATTGAAAATAACAGGCTTTATCTACCAAAAAATG
 AATTGGATAATCTACATAAAACAAAAGCACGGAGAATTTATCCATCAGATTTTGCCGTGG
 AGATACTTTTTGGCGAGAAAAATGACTTCCAGTGATGTTGTAGCTGGATCCGATTAAGTAT
 AGCTCCCCCTTCCCCTTCTGGGAAAGAATTATGTTCTTTCCAACCCTGCCACATGTTTCAT
 ATATCCTAAATCTATCCTAAATGTTCTTGAAGTATTTATTTATGTTTATATATGTTTAT
 ATATGTTCTTCATAAATCTATTACATATATATAGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_199259

Insert Size: 2100 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:	The open reading frame of this clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM_199259.2.
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:	<u>NM_199259.1, NP_954868.1</u>
RefSeq Size:	2734 bp
RefSeq ORF:	1602 bp
Locus ID:	7179
UniProt ID:	<u>P56180</u>
Cytogenetics:	21p11.2
Protein Families:	Druggable Genome, Transmembrane
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] Transcript Variant: This variant (2) lacks an alternate in-frame coding exon, compared to variant 1. The resulting protein (isoform beta) is missing an internal segment when compared to isoform alpha.