

## Product datasheet for RN213660

### Tpt1 (NM\_053867) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tpt1 (NM_053867) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tpt1
Synonyms:	MGC105360
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN213660 representing NM_053867 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATCATCTACCGGACCTCATCAGCCATGACGAGCTGTTCTCCGACATCTACAAGATCCGGGAGATCG  
CGGACGGGCTGTGCCTGGAGGTGGAGGGCAAGATGGTCAGTAGAACAGAGGGTGCCATCGATGATCACT  
CATTGGTGGAAATGCTTCCGCTGAAGTCCGGAGGGCGAAGGTACCGAAAGCACAGTAGTACCGGTGTT  
GACATTGTATGAACCATCACTTACAAGAAACCAGCTTCAAAAAGAGGCCTACAAAAGTATATCAAAG  
ACTACATGAAATCACTCAAGGGCAAACCTGAAGAACAGAAACCAGAAAGGTTAAAGCCTTTTATGACTGG  
AGCTGCAGAGCAAATTAAGCACATCCTTGCTAATTTCAATAACTACCAGTTTTTTATTGGTGAAAACATG  
AATCCAGATGGCATGGTTGCTCTACTGGACTACCGTGAAGATGGTGTGACTCCATTCATGATTTTCTTTA  
AGGATGGCTTAGAGATGGAAAAATGTTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja1757_d10.zip">https://cdn.origene.com/chromatograms/ja1757_d10.zip</a>
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_053867
Insert Size:	519 bp



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**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](mailto: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](#)

**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\\_053867.1](#), [NP\\_446319.1](#)

**RefSeq Size:** 794 bp

**RefSeq ORF:** 519 bp

**Locus ID:** 116646

**UniProt ID:** [P63029](#)

**Cytogenetics:** 15q11

**Gene Summary:** may mediate cell proliferation in normal and tumoral tissues; may play a role in spermatogenesis [RGD, Feb 2006]