

# **Product datasheet for RR213660**

## Tpt1 (NM\_053867) Rat Tagged ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: Tpt1 (NM\_053867) Rat Tagged ORF Clone

Tag: Myc-DDK

Symbol: Tpt1

Synonyms: MGC105360

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide >RR213660 representing NM\_053867

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGATCATCTACCGGGACCTCATCAGCCATGACGAGCTGTTCTCCGACATCTACAAGATCCGGGAGATCG
CGGACGGCTGTGCCTGGAGGTGGAGGGCAAGATGGTCAGTAGAACAGAGGGTGCCATCGATGATTCACT
CATTGGTGGAAATGCTTCCGCTGAAGGTCCGGAGGGCGAAGGTACCGAAAGCACAGTAGTCACCGGTGTT
GACATTGTCATGAACCATCACTTACAAGAAACCAGCTTCACAAAAAGAGCCTACAAAAAGTATATCAAAG
ACTACATGAAATCACTCAAGGGCAAACTTGAAGAAACCAGAAACCAGAAAGGGTAAAGCCTTTTATGACTGG
AGCTGCAGAGCAAAATTAAGCACATCCTTGCTAATTTCAATAACTACCAGTTTTTTATTGGTGAAAACATG
AATCCAGATGGCATGGTTGCTCTACTGGACTACCGTGAAGATGGTGTGACTCCATTCATGATTTTCTTTA

AGGATGGCTTAGAGATGGAAAAATGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213660 representing NM\_053867

Red=Cloning site Green=Tags(s)

MIIYRDLISHDELFSDIYKIREIADGLCLEVEGKMVSRTEGAIDDSLIGGNASAEGPEGEGTESTVVTGV DIVMNHHLQETSFTKEAYKKYIKDYMKSLKGKLEEQKPERVKPFMTGAAEQIKHILANFNNYQFFIGENM

NPDGMVALLDYREDGVTPFMIFFKDGLEMEKC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-Mlul



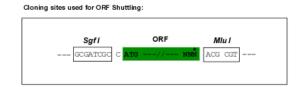
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

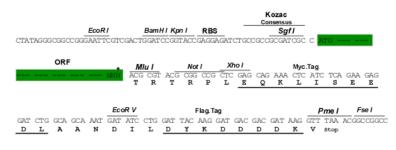
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



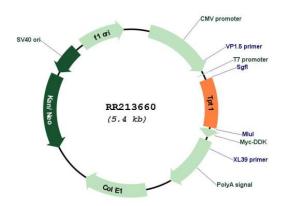
### **Cloning Scheme:**





<sup>\*</sup> The last codon before the Stop codon of the ORF

### Plasmid Map:



**ACCN:** NM\_053867

ORF Size: 516 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 <a href="mailto:customercom">customercom</a> 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. <u>More info</u>

**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.

**RefSeg:** NM 053867.1, NP 446319.1

 RefSeq Size:
 794 bp

 RefSeq ORF:
 519 bp

 Locus ID:
 116646

 UniProt ID:
 P63029

 Cytogenetics:
 15q11

**MW:** 19.5 kDa

**Gene Summary:** may mediate cell proliferation in normal and tumoral tissues; may play a role in

spermatogenesis [RGD, Feb 2006]