

Product datasheet for **RR203367**

Tpmt (NM_001079531) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tpmt (NM_001079531) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tpmt
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203367 representing NM_001079531
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTCACTCGGTATCAAAGAGCACCTGATGCTGAGGTACAAAAGAACCGGTACTAACCTGGACGACT
GGCAAGACAAGTGGGTGACCCGTCACATCGCATTCCATCAGGAGCAAGGGCATCAGCTATTAAGAAGCA
TTTCGATACATTTCTAAAGGGCAGAGTGGACTGAGAGTGTTCCTCCGCTCTGTGAAAAGCCATTGAG
ATGAAATGGTTCGCAGACCGGGCCACACTGTAGTTGGTGTAGAAATCAGTGAAATTGGGATTCGGGAAT
TTTTTGCAGAACAGAATCTGTACATACAGAAGAACCGCTCACCGAAATTGCTGGTGCCAAAGTGTAA
GGTTTGCAGTACTGATGAGTTCTCCGGGAACATTTCTTATACTGTTGCAGCATTTTCGACCTCCAG
ATAAACGTAACAACCTTTCCCTCCCTCTCTTTGGAGCAGAGCAAAACATCGGCAAGTTTGACAGGATTT
GGGATAGAGGAGCATTGGTGGCTGTCAATCCAGGCGATCGTGACCGCTATGCAGATATAACTGTCCCT
GCTGAGAAAAGGGTATCACTACCTCCTGGTTGCCTTTCTTATGATCCAACAAAACACACAGGCCGCCA
TTTTATGTTCCAGATGCTGAACCTAAAAAGTTATTTGGTACAAAATGCAACATGCAATGCCTTGAGGAGG
TGGATGCTCTTGAAGAAAGGCATAAAACCTGGGAGTCGACTACTTTTCGAAAAATTGTATCTCCTTAC
TGAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203367 representing NM_001079531
Red=Cloning site Green=Tags(s)

MSLGIKEHPDAEVQKNRVLTLDDWQDKWVTRHIAFHQEQQHQLLKKHFDTFLKGQSGLRVFFPLCGKAIE
 MKWFADRGHTVVGVEISEIGIREFFAEQNL SYTEEPLTEIAGAKVFKVCTDYEFFREHFLILLQHFRPSQ
 IKRNNLSLPSLSRANIGKFDRIWDRGALVAVNPGDRDRYADIILSLLRKGHYLLVLSYDPTKHTGPP
 FVYPDAELKKLFGTKCNMQCLEEVDAL EERHKTWGVDYFFEKL YLLTEK

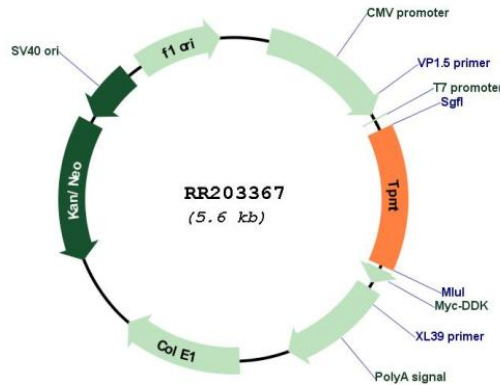
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001079531

ORF Size: 777 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_001079531.1 , NP_001072999.1
RefSeq Size:	826 bp
RefSeq ORF:	780 bp
Locus ID:	690050
Cytogenetics:	17p14
MW:	30.3 kDa
Gene Summary:	structural protein of tight junctions; expression in brain is reduced in diabetic rats [RGD, Dec 2006]