

Product datasheet for **RN201627**

Tpcn2 (NM_001107566) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tpcn2 (NM_001107566) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tpcn2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201627 representing NM_001107566
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCAGAAGCGCAGCCCTTCTGGGCCGGGACCGAGGTGGTGGCCAGGCCACTCTGGCGCTGATC
 AGGAGCTCTGCATAGACCAGGCTGTGGTCTTCATTGAAGATGCCATAAAGTACCGATCCATCTACCACCG
 CCTGGACGCTGGCTCACTGTGGCTTTACCCTGGTATTACTCGAACGTGTGCCAACGAGTCTGGGCTTC
 ACCATTTTCTGATCCTGGCCTTGGCTTTTGTGGAGGTCCCATCTTCCTTACAAGGACTGCGGATGTGC
 GCTACCGCTCCCAGCCCTGGCAGCCACCCTGTGGCCTGACAGAGACAATTGAGGGCTCTGCTTGTGGT
 CTTCCTGGCTGACCTCTCTGTGAAGGGTACTGGTGGGGCAGGCCAGTTGCAGCAGAACCTGTGGCTG
 CTGGCTTACTTTGTGGTCTGGTGTGTCTGTGGTGGACTGGATCGTTTCGCTGAGCCTCAACTGTGAGG
 AGTCTCTGCGGGTGCCTGGCTACTCCGACCCTTCTTCCTGCTGCAGAATTCCTCCATGATGAAGAAGAC
 CCTGAAATGTATACGGTGGTCACTACCAGAAATGGCTAGTGTGGGCTGTGCTGACTATCCACCTGTGT
 CTCTTCACCGTAATCGGGATGCTGCTGTTACCATTTGCTGAGAAGGATGAAGCACAGAACAAGGAGAGGC
 TGACCTACTTCCGGAACCTTCCAGAAGCACTGACCTCACTCCTAGTGCTGCTGACTACTTCCAACACCC
 TGATGGAAGCTTGTCTGATGAACCTGCTGACGGCCATCATCTATAATCAGTTCGAGGCTACCTAATG
 AAATCTCTACAGACTTCACTGTTCCGGCGGCGACTAGGGGCCCGTGCAGCCTATGAAGTCTCACCTTC
 AGGCAGGGCCAAATGGAACCACTCTGAGTTAGTCGGGGTAAATCCCAGAACTTCTGCGAGTGCCTTCA
 GAAAACCCAGCTGAACAAAATCCACAAAACAGCCATCATACAGAAGGTGCACTCCTATGAAGGCCGCCG
 ATCCTGGCCGATGAGTTCCAGAACTCTTTGATGAGGTTGACAAAGGTATAGTCAAAGAGCGCCGCCGA
 AGCCCCAGTACCAGTCTCCGTTTCTGCAGACTGCCAGTTCATCTTCAGCCACCGCTACTTTGACTACCT
 GGGGAACCTCATTGCTCTGGGAAACCTCTGTCTATTTGTGTTCCTGGTGTGCTGACTCAAACCTGCTG
 CCTGGGGAACGGAACGACTTTGTCTGGGATTCTCAACTACATTTTTCATCTTGTACTACCTGCTGGAGC
 TGCTGTTCAAGGTGTTTCGCGCTGGGCTACGGGCTACCTGTTCTACCACAGCAACGTGTTTCGATGGCCT
 CCTGACCATCATCTGCTGGTTTTGGAGATTTCTACTCTGGCCGTGATCCGATTGCCGACCCAGGATGG
 AAGCCAGAGCAGTATGGCCCCCTGTCGCTTTGGGACATGACTCGGCTGGTGAACATTCTGATTGTGATAC
 GCTTCTGCGCATCATCCCAGCATAAAGCCAACGGCTGTGGTAGCCAGCACCATCTGGCCTAATCCA
 GAACCTGCGGGCATTGGTGGGATCCTGGTGGTGTATACTATGTGTTCCCATGATTGGGATCAACCTG
 TTCGAGGTGTCATTGTGCTCCCGAAACAGCAGCCTGGTTCCTGATAACAGCTCAGCTCCGTGTGGAA
 GCTTTGAGCAGTAGGTTACTGGCCAAACAACTTCGACGACTTTGCTGCTGCTCTGATCACACTGTGGGA
 CGTGATGGTGGTGAACAATTGGCAGGTGATCCTGGAAGCCTATAAGCACTACTCCGGCCCGTGGTCGATG
 GTGATTTTGTGCTGTGGTGGTGGTGTCTCTGTGATCTGGATCAACCTGTTTCTGGCTGCTTCTGG
 AGAACTTCTCCACAGATGGGACCCTCAAGGTCAATAAGCAGCTCCTGGTGGGACCAAGCAGATCACCTA
 CGAGATGTCTGTGGAGCTCATGTTCCAGAGATATCCTAGAAGAGCCCAAGGAGGAGGAACCTGATGGAGAAG
 CTACACAAGCATCCACTTGCATCTGTGCAGG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001107566

Insert Size: 2136 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_001107566.1, NP_001101036.1</u>
RefSeq Size:	2879 bp
RefSeq ORF:	2136 bp
Locus ID:	309139
Cytogenetics:	1q42