

Product datasheet for **MC221794**

Tpcn1 (NM_145853) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tpcn1 (NM_145853) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tpcn1
Synonyms:	5730403B01Rik; mKIAA1169; Tpc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221794 representing NM_145853
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGTAAGTTAGATGACGATGTGCCGCTCATCTGACCTTGGACGAGGCTGAGAGTCTCCGCTGC
 CTCCTTCGAACAGCCTGGGCCAAGAGCAGCTGCCAGCAAAAATGGGGCAGCCACAGCATCCACAACCTC
 CCAGGTCCCCAGTCTGGTCTCCGAGCGGACAGCCCCCTCCAGTCCCACCGGACACAACCTGGGAGATG
 AATTATCAAGAGGCGGAATCTACCTCCAGGAAGGTGAGAACAACGACAAGTTCTTCACCCACCCCAAGG
 ATGCCAGAGCGTGGCGGCTACCTCTTCGTCACCAACCACTTCTTCTACATGATGGAGCTGCTCACGGC
 CCTGCTCTGCTGCTGTGCTGTGCGAGTCCCCCGTGTCCCCGTGCTCAAGCTGCACACTTACGTC
 CACGCCACGCTGGAACCTTTGCCCTCATGGTGGTGGTATTTGAACTCTGCATGAAATTGCGGTGGCTGG
 GCTTCCACACGTTTCGTCGGCACAACGTACCATGGTCAAGACGTCGGTCTCTGGTGCAGTTCATCGA
 GGCCATTGTTGGTCTGGTTCGGCAGACGTCCCACGTGCGGGTGACCCGGGCACTACGCTGCATTTTCTG
 GTGGACTGTCGCTACTGTGGCGGTGTACGGCGCAACCTGCGGCAGATCTTCCAGTCTCTCCACCCCTTCA
 TGGACATCCTCCTGTTGCTGCTTCTTTATGATCATCTTTGCCATCCTCGGTTTCTACTTATTCTCCAC
 AAATCCTTCCGACCCCTACTTCAGCACCCCTGGAGAACAGCATCGTCAACCTGTTGCTTCTCTGACCACA
 GCCAACTTTCAGATGTCATGATGCCCTCTACTCCCGGAACCCCTGGTCTGCGTCTTCTTATTGAT
 ACCTCTCCATTGAGCTGTACTTCATCATGAACCTGCTCCTGGCCGTGGTGTTCGACACCTTCAACGACAT
 TGAAAAGCACAAGTTCAGTCTTTGCTGCTGCACAAACGGACCGCCATCCAGCATGCCTACGGCCTGCTT
 GCCAGCCAACGGAGCGGCTGGCATCTCTACAGGCAGTTCGAAGGCTTAATGCGCTTCTACAAGCCCC
 GGATGAGTCAAGGGAACGCTTCTGACTTTCAGGGCTTGAACCAGAGCAACACGCTCTGCTCAGCCT
 GAAGGACTTCTATGATATTTACGAAGTCGCTGCTGTCAGTGAAGGCAAGAGAAAACAGACAGCATTGG
 TTTGATGAGCTCCCCGACAGCCTTCTCATCTTCAAAGGGATTAACATCCTTGTGAATCCAAGGCTT
 TCCAGTATTTTATGACTTGGTGGTGGCTGTCAACGGTGTCTGGATCCTGGTGGAGACATTCATGTTGAA
 AGGTGGGAATTTACCTCAAAGCATGTGCCCTGGAGTTACCTCGTGTTCCTTACCATCTATGGAGTTGAA
 CTGTTTATGAAGTGGCTGGCCTGGGCCCTGTGGAGTACCTGTCTCTGGATGGAACCTGTTGATTTCT
 CGGTACGGCATTTCGCTTCTGGGACTGCTCGCACTGACGCTCAACATGGAACCCCTTCTATTTTATTGT
 GGTCTGCGTCCCCTTTCAGCTGCTGAGGTTATTTAACTGAAGAAACGCTACCGCAACGTTGGACACC
 ATGTTTGAAGTGTGCCCGGATGGCCAGCCTTGGCCTCAGCTGCTCACCTTCTACTATTCCTTCGCCA
 TCGTGGGCATGGAGTTCTTCAACGGGCGGCTGACCCCAACTGCTGCAACACCAGCACAGTGGCCGACGC
 CTACCGGTTTCAACACACTGTGGGCAATAAGACCAAGGTAGAGGAAGGCTACTACTATCTCAACAAC
 TTTGACAACATCCTCAACAGCTTCGTGACCTTGTTTGAGCTCACCGTTGTCAACAATTGGTACATCATCA
 TGGAAGGCGTCACCTCGCAGACGTCCCCTGGAGCCGCTGACTTTCATGACCTTTTACATAGTGACCAT
 GGTGGTGTGACCATTATCGTGGCCTTTCATCCTGGAGGCTTTCGCTTCCGCATGAACTACAGCCGCAAG
 AGCCAGGACTCGGAAGTGGACAGTGGCATCGTCATCGAGAAGGAAATGTCCAAGGAGGAGCTTATGGCCG
 TCCTGGAGCTTTATCGTGAGGAGCGAGGCACCTCTCTGACGTGACCCGGCTGCTGGACACCCCTCTCA
 GATGGAGAAAATACCAGCAAAATTCATGGTGTTCGTTGGGACGGGATCGAGAACCAAAAGTGACCTGAGT
 CTGAAGATGTACCAGGAGGAGATCCAGGAGTGGTACGAGGAGCATGCCCGGGAACAGGAGCAGCAGAAGC
 TCAGGGGACGCTGCCCGGCCCTGCAGCCAGCAGCCCCCTGGCAGTCGCCAGCGCTCCAGACTGTAC
 CTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_145853
Insert Size: 2454 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:	NM_145853.2 , NP_665852.1
RefSeq Size:	4666 bp
RefSeq ORF:	2454 bp
Locus ID:	252972
UniProt ID:	Q9EQJ0
Cytogenetics:	5 F
Gene Summary:	Nicotinic acid adenine dinucleotide phosphate (NAADP) receptor that may function as one of the major voltage-gated Ca(2+) channels (VDCC) across the lysosomal and endosomal membrane.[UniProtKB/Swiss-Prot Function]