

## Product datasheet for **MC221200**

### **Tpcn2 (NM\_146206) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tpcn2 (NM_146206) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tpcn2
Synonyms:	D830047E22Rik; Gm35086
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_146206, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCAGAAGAGCAGCCCCCTCTGGGCCGGGGCCGAGGCAGTGGCCAGGTCCACTCCGGTGCTGCAG
CCGATCAGGAGCTCTGCATAGACCAGGCTGTGGTCTTCATTGAAGACGCCATAAAGTACCGCTCCATCTA
CCACCCGATGGATGCTGGTTTATTGTGGCTTTACCGCTGGTATTACTCGAACGTCTGCCAACGTGTGCTG
GGCTTCATCATTTTCTGATCCTGATCTTGGCTTTTGTGGAGGTCCCATCTTCTTCACAAAGACTGCAG
ATGTGCGCTACCGTTCCAGCCCTGGCAGCCGCTGTGGCTGACCGAGACGATCGAGGCGTTCTGCTT
GCTTGCCTTCTGGTTGACCTCTCTGTGAAGGGCTACTTGGTTGGGCAGGCCAGTTGCAGCAGAACCTG
TGGCTGCTGGCCTACTTTATGGTCTGGTTGTGTCTGTGGTGGACTGGATCGTTTCGCTGAGCCTTGCTT
GTGAGGAGCCCTGCGGATGCGCCGGCTGCTCCGCCCTTCTTCTGCTGCAGAATTCTCCATGATGAA
GAAGACCTGAAGTGATACGGTGGTGGTACCAGAAATGGCCAGTGTGGGCTGCTGCTGGCCATCCAC
CTGTGTCTTTCACCATCATTGGGATGCTGCTGTTACCATTGGTGAAGGATGAAGCACAGGACCAGG
AGAGGCTGGCCTACTTCCGGAACCTTCCAGAAGCACTGACCTCACTCCTAGTGTGCTGACGACTCCAA
CAACCCTGATGTGATGATCCCTGCGTATACTCAGAACCGGCCTTTGCTCTTCTTTCATAGTCTTACC
TTGATAGGAAGCTTGTCTGATGAACCTGCTGACAGCCATCATCTATAATCAGTTCCGTGGCTACCTAA
TGAAATCTCTACAGACCTCACTGTTCCGGCGGCGACTGGGGGCCCGTGCAGCCTACGAAGTCTCGCCTC
CAGGGCCGGGCCAGCTGGAACCCCTGAGTTAGTTGGGGTGAATCCTGAGACCTTCTGCCAGTGCTT
CAGAAAACGCAGCTGAACAAAACCCACAAAACAGCCATTATGCAGAAGGTGCAGTCTATGAAGGCCGCC
CAATGCTGGTGTGATGAGTCCAGAACTCTTCGATGAGGTTGACAAAGGTGTGGCCAAAGAGCGCCGCT
GAAGCCCCAATACCAGTCTCCATTTCTGCAGACTGCCAGTTCATCTTTAGCCACCACTACTTCGACTAC
CTGGGGAACCTCGCTCGCTCTGGGAAACCTTGTCTATTTGTGTGTTTCTGGTGTGACTCAGACCTGC
TGCTGGGGAACGTGATGACTTTGCTGGGGATTCTTGACTACATCTTCATCTTGTACTACCTGCTGGA
GCTGCTGTTTAAAGGTGTTGCGCTGGGCTGCCAGGCTACCTGTCTACCATAGCAATGTGTTTGTGGC
CTCCTCACCATCATCCTGCTGGTTTCGGAGATTTGCACCCTGGCTGTATACCGATTGCCGCACTCAGGAT
GGAAGCCAGAGCAGTATGGCCACTGTCGCTCTGGGACATGACACGACTGATGAACACACTGATTGTGTT
TCGCTTCTGCGCATCATCCCAACATAAAGCCAAATGGCTGAGGTAGCCAACACCATCCTGGCCTAATC
CCTAATTGAGGGCATTGGTGGGATCCTGGTGGTGGCATACTATGTGTTTCCATGATCGGGATCAACC
TGTTCCGAGGTGTCATCGTCCCTGGAACAGCAGCCTGGTCCCGACAACAACCTCAGCTGTATGTGG
AAGCTTTGAGCAGCTAGGTTACTGGCCCAACAACCTTTGACGACTTTGCTGCTGCTTTGATCACACTGTGG
AACGTGATGGTGGTGAACAATTGGCAGGTGATCCTGGAAGCCTATAAGCGCTACGAGGCCCGTGGTCAA
TGGTGTATTTTGTGCTATGGTGGCTGGTGTCTCTGTTATCTGGATCAACCTGTTTCTGGCTCTTCTTCT
GGAGAACCTTCTCCACAGATGGGACCCTCAAGGTGATAAGCAGCTCCTTGTGGGACCAAGCAGATGTCT
GTGGAGCTCATGTTTCCAGGGATATCCTAGAAGAGCCCAAGGAGGAGGAAGTATGGAGAAGCTACACAAAAC
ACCCACACTTGCATCTGTGCAGGTGA
    
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_146206
- Insert Size:** 2196 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:**

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:** [BC141195](#), [AAI41196](#)

**RefSeq Size:** 2735 bp

**RefSeq ORF:** 2196 bp

**Locus ID:** 233979

**UniProt ID:** [Q8BWC0](#)

**Cytogenetics:** 7 F5

**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 membrane. Involved in smooth muscle contraction.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.