

## Product datasheet for **MC220393**

### **Panx2 (NM\_001002005) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Panx2 (NM_001002005) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Panx2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220393 representing NM\_001002005  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCACCACCTCCTGGAGCAGTCGGCGGACATGGCGACC

CGCTGCTGGCGGGCGAGAAGCTGAGGGAGC  
 TGATCCTGCCTGGCTCGCAGGACGACAAGGCGGGCGCGCTGGCCGCGCTGCTGCTGCAGCTCAAGCTGGA  
 ACTGCCGTTTCGACCGCGTGGTACCATCGGCACCGTGGTACCATCCTGCTGGTACCCTGGTCTTC  
 ACCAAGAACTTCGCAGAGGAACCAATTTACTGTTATACTCCGACAACCTCACCCGTGATCAGGCCTGT  
 ACGCCCGCGGCTACTGCTGGACAGAGCTGCGGGACGCGCTGCCCGCGTGGATGCCAGCCTCTGGCCATC  
 GTTGTGGTGGAGCACAAGTTCTGCCTACGCGCTGCTGGCCTTTGCCGCCATCATGTATGTCCCGCGCTG  
 GGCTGGGAGTTCTCGCTCCACGCGCTCACCTCGGAGCTCAACTTCTTCTCAGGAGATCGACAAC  
 TACTACCACCGAGCGGCCAAGGTCGCGCACCAAGATTGAGAAGCAGATCCAGTCCAAGGGGCCCGCAT  
 CACGGAGCGCGAGAAGCGAGAGATCATTGAGAACGCCGAGAAGGAGAAGGCCCGGAGCAGAATCTGTTT  
 GAGAACTACCTGGAACCGCCGGGGCCGACGCAACTTCTGGCCAAGCTGTACTTGGCACGGCACGCTCTGA  
 TCTGCTGCTCAGCGTGGTGCCCATCTCTACCTATGCACATACTACGCCACCCAGAAGCAGAACGAGTT  
 CACCTGTGCCCTGGGCGCCTCACCTGACGGGCCGGTGGGTAGCGCTGGGCCACGGTGC

CGCTCAGCTGT  
 AAGCTACCGTCTGTGCAGCTGCAGCGGATCATTGCAGGTGGACATCGTCTTGCTCTGCTTCAAGAAC  
 TCATCATCCTAGTCAACCTCATCCACCTTTCATCTTCCGCAAGAGCAACTTCATCTTCGACAACTAAA  
 CAAGGTGGGTATCAAGACGCGCCGGCAGTGGCGCCGCTCGCAGTTCTGCGACATCAACATCTGGCCATG  
 TTCTGTAAACGAGAACC

CGCACCATCAAGTCGCTGAACCGGCTGGACTTCATCACCAACGAGAGCGACC  
 TCATGTACGACAATGTGGTGGCGCAGCTTCTGGCTGCCTTGGCTCAGTCTAACCCAGACACCACGCCAC  
 TGTGCGGGACTCTGGCATCCAGACCGTGGACCCAGCATCAACCTGCGGAGCCTGATGGTTCTGTGAG  
 CCACCCGTGGTCAAGCGGCCCGTAAGAAAATGAAGTGGATCCCCACCAGCAACCCGCTGCCACAGCCCT  
 TCAAGGAGCAGCTGGCCATTATGCGCGTGGAAAACAGCAAGACTGAGAAGCCCAAGCCCGTGCAGGAA  
 GACAGCCACAGACACACTTATTGCCCGCTGCTGGACGCTGGTGCCCGTGTGCCACCACTACAAGGGC  
 AGTGGAGGTGATTCAGGCCCTCTCTGCCCGCCTGCTGCCTCTGAGAAAAAGCATACCCGCCACTTCT  
 CCTTGGACGTGCATCCCTATATCCTAGGTACCAAGAAGGCCAAGACTGAGGCGGTACCCCTGCCCTACC  
 AGCCTCCCGCAGCAAGAAGGTGGCTTCTGTCCAGACAGGAATGTGGGCTGGGCTAGCTGCAGCA  
 CCCACCAAGATGCTCCACTCCCGAGAAGGAAATCCCGTACCCACAGAGCCTGCCCTGCCAGGGCTCC  
 CATCTGGGGATCATTCCATGTCTGCTACCCCGCAGCCCGCCGCTGCTTCCCTGTACCAGGCGAG  
 TCTGGGCAAGGCTGACCTCTCACCATCCTGAGCCGGAACGCCACTCACCCCTGCTCCACATCAGCAGC  
 CTGTATGAGGCCCGGGAAGAGGAGGAAGGAGGCCCTGTGCCCTCAGACATGGGCGACCTCTCAGCA  
 TACCCCGCCCGCAGCAGATCCTCATCGCCACCTTCGAGGAGCCGAGAACAGTTGTGAGTACTGTGGAGTT  
 TGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001002005
- Insert Size:** 2034 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:** [NM\\_001002005.2](#), [NP\\_001002005.2](#)

**RefSeq Size:** 3434 bp

**RefSeq ORF:** 2034 bp

**Locus ID:** 406218

**UniProt ID:** [Q6IMP4](#)

**Cytogenetics:** 15

**Gene Summary:** Structural component of the gap junctions and the hemichannels.[UniProtKB/Swiss-Prot Function]