

## Product datasheet for MC225181

### Pcnx2 (NM\_175561) Mouse Untagged Clone

#### Product data:

|                           |                                                                                 |
|---------------------------|---------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                             |
| Product Name:             | Pcnx2 (NM_175561) Mouse Untagged Clone                                          |
| Tag:                      | Tag Free                                                                        |
| Symbol:                   | Pcnx2                                                                           |
| Synonyms:                 | A830048P05; AU067631; E330039K12Rik; mKIAA0435; Pcnxl2                          |
| Mammalian Cell Selection: | Neomycin                                                                        |
| Vector:                   | pCMV6-Entry (PS100001)                                                          |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                            |
| Fully Sequenced ORF:      | >MC225181 representing NM_175561<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCGTCCCAGGTGCTGCAGCTGCTCAGGCAGGGTGTGTGGGCCGCTCTCACAGGGGGCTGGTACCACG  
 ACCCGGAGCATAGCAAATTCACCAATAGCTGCCACCTCTACCTGTGGCTGTTCTGCTCTTGCTGCCACT  
 GGCTCTGCACCTGGCTTTTCTCCAAATGTCCTCACAGCGCTGTTCTACTGCGGCTCTGTGACCATCTTC  
 TTTGCAGTCATCAAGCTTATCAGCTACCGCTGCACCTCATGTTGACAAGGGAGAAGCAATCCAGCACC  
 GATCCCCAAGAAAGAGAAGCAAGCGGAAGCCAGAGGGAGAGGCCAGCAGCCAGCACACCGCCAGGCACAA  
 AAACCCAAGCAATAACAGGCAGATTACAGCACCAAGAAGGAAGAGCCTCGAGGGAGCTTGACCACCA  
 CCCCTCTGCTGCAGCTCCCGAGGGCAGAGTGTCCACTCCCAGCATTCTCGGGGCCATTGGAGTTGCCAG  
 CACAGGAGACAGTGGAAGACCTCAAAGGTGTCTTCTGTCAGAAGATCAACCTGAGGCACTGGCGTCATC  
 TACCTCACCTGGCATGAAGTCAGAAAGTCTACCCGCTCTCAGGGGCGTACACCAGAACCCACTCCCAGA  
 CCGGCATGCCACTGAAGCCAGTTACCACAGAAGTCTTACAGCAAGAAAAGGGAAGAGTCAGGGGGCA  
 CTGCCCAGCGCCAGCCGCCACAGGTCCGAGAGTGGCCTGGTGAACCTGGAGCCTTGAAGAAGTTGCC  
 ACAGCTGTCTTCCAGTATGACTTACTAGAACTGACATCTCTTCCAGCCATGGGGCAGTGAGCAC  
 TCAGTTCTGCTTCCACAGCCAACTGTACCCAGGGCGCCACCCGGGCACAGCCACAGAACAGATCGCCTC  
 AGGACAGCTGAGCAGCAGCTGCTGTGAGTCAACACAGTCTTAGCCAAACCCACAGAGGAGGAGCTGAC  
 CAGGACATCCGGGCAGGTGGAAGTGCCTTGAACCAAGAGTGGTCTGACTCAGACGGCGAGGTTGCAGTG  
 ACTCTCATCGACACCTCCCAGCCTGGAGAGCACTTAGTCTTACGAACCCATTAAGATAGTAATACCA  
 TGAGCAGCACCCAACTCCATCAGTGACCTGGAGAGCTCCCTGCACCTGAGGGAACAGCTCTGACAG  
 AACCAAGTGTGAGTCCAGTGCAGAGTCTGCTGGCTCAGGAGGGGCGGTCTGCTGACCCGGAGCAGGTC  
 AGAATCCCTTTGATCACCTTGAGTTAACGGAGGATGGAGGAGGAAGAGGCGTCTCTTGTCTGAAGGGA  
 ATGGGGGAGAAAGGACCCAGAGAGAATGGAGGTGATGTCGCTGATCGTTGTTCTGGCTCTGGGCTGG  
 GGATGGAAGTCCACCCAGGCTCCACGCTTGCAGACACTCACACCCAGGTTGACCTGAATCTGAGGGG


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AGCAAGGAGGGCCAGGCAAACCTGGACCCAGCCTCTTGTAAAGAGCAGCCATGAGAAAAGGCATGCCCGTG  
TGCTCAGTGTGGACAGCGGGACCGATGTCTTTCTGAGCAGGAGTACCAAAGAAGTGGTCACTGATGGCGA  
GAAACCATCCCAACCTCCAAGTCAGACCTGGAGGCCAAGGAAGGACAGATTCCAATGAATCCAATTC  
CTGGAGTTTGTCTCCCTGTTGGAATCCATCAGTACATCTAAGGTGGTGGCGCCGACTCCCCAGCTGAGC  
AGAAAGGAGCAAGTCAGGGCCCTGAAGGTATGCCTCCCAGGGACCAAGGAGGAAGCTGTGGAGAATGA  
AAAACCAACGGACGTGATCCCAAGCCAGGAAAACCAAGCTTGCCAAGCCAAGACCCTGCAATGGTAGC  
CCGGTGTTCACACAGCCTGCCAAGTCCGACACTTTTCCAGGGTAGCCGGCAAAGGCACATCATCTACC  
GAGTGACTTCCCAACAAGACAGCTCGGTGCTGCAGGTCACTCAGTGGGCCAGAAACGTCTGTGCAGGAGGA  
GATGTCCCTGGACGCTATGCATGTTTTCATCGATGAACACGGGGAAGTCAGATCCTGTTACTTAAAGTCT  
GGAAATCAGAAAGAAGGCTCCTCTCAGCATCCACCCTGAACCCCGACTGTGTCTCATGCCAGAGGGA  
TTCTTCTCAGCTCCTCCAGCAGCACCGCTACAGGAAGTCCAGATCCATCCTCAGGGGACCCTGCAGTCAG  
CGCCCTTCAACAGCAGCTGTTACTCATGGTAGCTCGGAGGACGCAGTCAGAAACACCACGGCACGTCAGT  
CAGGATCTGGAAGACTCATCAGCTCCTCGGCACAAGGGAAGTTAAACGAGAGCAGTTTTACAAGTTCA  
TCGTCTTCCCTGGGAAGTGGATTAAAGTCTGGTACGACCGACTCACTTTGTTGGCGTTGCTGGATCGAAC  
TGAAGATGTGAAGGAGAACATGGTAGCAGTTCTGCTTAGTGTTCTGGTTTCTCTCTGGGCTTTCTGACA  
CTGAATCGTGGCTTCTGCAGAGACTTATGGGTCTGCTTTTCTGCTTGGTCATGGCCAGCTGCCAGTACT  
CCCTGCTCAAGAGCGTCCAGCCTGACCCTGCCTCACCATAACACGGTCACAACCAATCATCGCCTATAG  
CAGACCATCTATTTCTGTATGTGTGCAGCCTTATTTTGCTTCTTGATGCAGGGGCCAAAGCCAAACAC  
CCTCCAGCTATGTCTGTATGGCCTGAAGCTCTTACACCAGAGACCCTGCAAGCAGTCAGGGACCACT  
TAATAGTATTTTGTGTTGCTTCCCTGCTATCTCCCTCCTCGGGCTTCCACAGATCAACACCTTCTG  
TACGTACCTTCTGGAACAAATCGACATGCTGCTTTGGAGGTTCTGCTGTTTCTGGGATCACATCGGCT  
GTGTACAGCGTGGGCCGAGTGTCTGGCAGCAGCCCTGCTCCATGCTTTCTGCTTCAGTGCTGTGAAGG  
AACCATGGAGCACACAGCACATCCAGCACTGTTCTCGGCCTTCTGCGGCTCCTGGTCCGCTGCTCCTA  
CCATCTGAGCCGCGCAGAGCAGTGATCCTTCCGTGCTCCTGCTCCTTCACTCAGTGTAATGCTTCTCTAAA  
TGTTTACATCAGAACCTGGAAGAGTCAGCTACAGACCCTCCTCCCTCAGAGGATGAAGGATTCAGTGAAGG  
ATGTCCTGAGATCAGACCTTGTATCTGCTCAGCCGCTGCTGTGCTCTCCTTTCAGTCAGTGCCAGCAC  
TGTCTTCTGCTTACGGCCTTTTCTCAGCATCGTGCTTTCCTTGGCCGCGGACCGTGGGGCTCATC  
ACCCACCATCTGCTCCCTCAGCTACGGAAGCACCACCCCTGGATGTGGATCTCACATCCTGTGCTCAGGA  
GCAAGGAGTACCAGCAGCGGGAGGCAAGAGATATTGCTCACTTAATGTGGTTTGAGAGACTCTACGTGTG  
GCTTCAGTGTTTCTGAAAAGTATCTTGTACCCGGCCATAGTCTGAACGCCCTCACTCTTGATGCTTTC  
TCTATAAGCAACTACAGGAGACTCGGCACCCACTGGGACATTTTCTGATGATCACCGGGGCATGAAGC  
TGCTGAGGACGTATTCTGTAACCCGTTCAACAGTTTGCCAACCTGGGTTTACGGTCATCTTTTCCA  
CTTTGACTACAAGGACATCTCTGAGAGCTTCTCCTGGATTTTTTCTAGTGTCCATTGTCTTCAAAAAG  
CTTGGGGATCTGCTTCAAGAGTGCAGTTTGTCTGGCCTACGTGGCCCTTGGCAGATGGCCTGGGGCT  
CTTCCTTCCAGTGTTTGGCCAGCTCTTCGCCATCCCTCACTCCGCCATGCTTTTCTTCCAGACATTCGC  
CACCTCAATCTTCTCCAGCCCCGTAGTCCGTTCTTGGAGCGTCATATTCATCACGTCCTACGTCAGG  
CCGGTGAAGTTCTGGGAGAGAAGCTATAATAAAGGCGCATGGATAATCCAACACAAGGCTGGCTGTGC  
AAATGGAAGAGAGCCAGGGAGTGATGACAACAACCTCAACTCCATCTTCTACGAGCACCTGACTCGGAC  
CCTGCAGGAGTCGCTCTGTGGAGACCTGGTGCTTGGCCGCTGGGGCAACTACAGTTCTGGTGACTGCTTC  
ATTTTGGCCTCGGATGACCTCAACGCCTTCGTCCACCTGATTGAAATCGGAAACGGTCTCGTCACCTTTC  
AGCTTCGGGGACTGGAGTTCGAGGAACCTATTGCCAGCAGAGGGAGGTGGAGGCCATCATGGAGGGTGA  
TGAGGATGACAGAGGCTGCTGCTGCTGCAAACCCGGCCACCTGCCACACCTGCTGTCTGCAATGCTGCC  
TTCCACCTACGCTGGCTCACCTGGGAGATCACGCGCACACAGTACATCCTGGAGGGCTATAGCATCATCG  
ATAACAACGCAGCCACTATGCTGCAGGTGTACGACCTCCGAGGGTGCTCATCCGCTACTACGTCAAGAG  
CATAATACTACATGGTCACTTCTCCAAACTCGTCTCGTGGGTCAAGAATGAATCCCTGCTGAAGTCC  
CTGCAGCCCTTTGCCAAGTGGCATCACATCGAGCGTGACCTTGCCATGTTCAACATCAACATCGATGATG  
ACTACGTCCCGTGTCTCAGGGGATCACCGGGCGAGTACTGCAACGTGTTCTGGAGTGGATTACGTA  
CTGCGCAGGGAAGAGACAGGAGCTCTCAAGACCCTGGAGCACGTGGACAGTGACGAAGACTCGGCTCTG  
GTGACACTTGCCCTTGGCCTGTGCATCCTGGGAAGGCGAGCTCTGGGAACAGCTGCACATAACATGGCCA  
TGAGCCTAGACTCATTCTCTACGGCCTGCACGCCCTCTTCAAAGGTGACTTCCGGGTACCGGCTCGAGA  
CGAGTGGGTATTTGCTGACATGGACCTGTACACAAAGTTGTTGTTCCAGCCATCCGAATGTCCCTGAAA  
CTGCACCAGGACCACTTACCTGCCCGATGAGTACGAAGACCCCGGGTCTCTATGAGGCCATCCGGT

CCTTCGCGAAGAAGGTGGTGATCTGCCACGAGGGAGACCCGGCCTGGCGAGGAGCCATGCTGTCCAACAA  
GGAGGAGCTGCTGACTCTGAGGCACGTGGTGGACGAGGGCGCCGATGAGTACAAGGTCATCATGCTCCAC  
AGGGGGTTCCTGAGCTTCAAGGTCATCAAGGTGAACAAGGAGTGGTCCGAGGACTCTGGGCGGGGAGC  
AGCAGGAGCTCATCTTCTGCGCAACCGCAACCCGAGCGCGGAAGCATCCAGAACAAAGCAGGTCTT  
GCGAAACCTCATCAACTCGTCTGTGACCAGCCGCTGGGCTACCCATGTATGTCTCCCGCTGACCACG  
TCCTACCTGGGCACCCACAAGCAGCTGCAGAGTGTCTGGGCGGACCTGTCACTGAACCGTGTGAGGA  
CGTGGTTTCAGACGAGGTGGCTGAGAATGAGAAAGGACTGCAGTGTGGGCCAGCGAGTGGTGGTGCAA  
CATTGAAGATGGAGAGGGTGGAGCTGTACCATCAGCGGGTGGCGGTAGCGCCCTAATGGCGAGAGCCGG  
GACGGCAGCACAGAACACCCAGGAAAGGAGGCACCCAGCAGTGGTCTCACCCTGGAGAGGCTCAGA  
GGGCAGGCAGAAAGGAAGGGCAGAGCCAGTCCGTCCAGGCACATTCAGCGATAAGCCAGAGGCCACCTAC  
TCTGAGCTCCTCGGGTCCCATCTAGAGAGCCACCAGGCTTCTTTCAGACTTCCACATCTGTGCATGAG  
CTAGCGCAGAGACCTCAGGCAGCCGGCTCTCTTGCACACCTCAGCTGCATCTCTGCACTCCAGCCGC  
CTCCCGTCAACCACCGGGCCACCTGAGTGTCCGAGAGCGGGCCGAGGCACTATTGGTCTAGCCTGGG  
CTCGTCAACCAGTTCTACTCTCAGCTTCTCTTTGGGAAAAGGAGCTTCTCCAGCGCACTCGTCATATCT  
GGACTCTCTGCTGCAGAGGGGGCAACACCAGCGACCCAGTCATCCAGCAGCGTCAACATTGTGATGG  
GTCCCTCCGCGAGGGCCGCGGGCATGTGCTCGGCATTCTCAGAACCATGTGAACCCACTGACAGCCC  
AGAGCAGGGGCAGCTTCAAGATGGACGCCTGGCAGAGGCTATGGAGGAGAACCTGGGGGTGTGTGCCGG  
AGAGCAAGCCAGGAGGACATGGGCTGGATGATACGGCTTCTCAGCAGAGTACCTCCGATGAGCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Restriction Sites:     | SgfI-MluI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ACCN:                  | NM_175561                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Insert Size:           | 6369 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"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| Note:                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| RefSeq:                | <u>NM_175561.4, NP_780770.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RefSeq Size:           | 7254 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| RefSeq ORF:            | 6369 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Locus ID:              | 270109                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

UniProt ID: [Q5DU28](#)

Cytogenetics: 8 E2

Gene Summary: May play a role in tumorigenesis.[UniProtKB/Swiss-Prot Function]