

Product datasheet for MC224274

Pcdh11x (NM_001081385) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pcdh11x (NM_001081385) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pcdh11x
Synonyms: A230092L07Rik; PCDHX; PCDHX11
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224274 representing NM_001081385
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTTGTGTCCGGGACGTATATATTTGCGGTCTGTAGCATGCGTCGTGTTTCAGTCTGGCGCC
 AGGAGAAGAATTATACAGTCCGAGAAGAAATGCCAGAAAACGTCCTGATAGGCGACTTGTGAAAGACCT
 CAACTTGTGCTTATCCCGACAAGTCCCTAACCACTCCTATGCAGTTCAAATTAGTTTACAAAACCGGG
 GATGTACCATTGATTGCGATTGAAGAGGGTACTGGAGAGATCTTCACTACTGGTGACGCATTGATCGTG
 AGAAATTATGTGCTGGAATCGTGTGGATGCCCGTTGCTTTTACGAAGTGGAGGTTGCTGTTTTGCCGGA
 TGAAATATTTGATTGGTTAAGATACGCTTTCTGATTGAAGACATAAATGATAATGCACCGTTATTTCCCA
 ACAACTGTCATCAACATATCAATTCCGGAGAATCGGCTATAAATCTCGATATTCTCTCCAGCAGCCA
 TTGATCCTGACATTGGAATAAATGGAGTCCAAAATACCAACTAATTAAGAGTCAAATATTTTCGGACT
 TGATGTCATTGAAACACCAGAAGGAGACAAGATGCCCAACTGATTGTTCAAAGGAGTTAGATAGAGAA
 GAGAAGGATACCTATGTGATGAAAGTAAAAGTTGAAGATGGTGGCTTTCCTCAAAGTCCAGTACAGCTA
 TTTTGCAAGTAAAGTGTGCTGATACAAACGACAATCACCAATCTCATAGAAAAGGAAATGAAGTCAG
 TATACCAGAAAATGCTCCTATAGGTTCTTCAGTGACACAGCTCCATGCCACAGATGCAGATATAGGTGAG
 AATGCCAGAATCACTTTTATTTTCAAGCAACCTAGTCTCCAACATCGCTAAGAGACTGTTTCATCTAAACA
 CCACTACTGGACTTATCACTGTCAAAGAACCCTGGATAGGGAAGAATCACCAAGTCAACAAGTTATTGGT
 TTTGGCAACTGATGGTGGATCAACACCAGCAAGAGCAACGGTGTGGTAAATGTCACAGATATCAATGAT
 AATGTCCCATCAATTGACATAAGATACATTGTCAATCCAACCAATGGCACTGTGCTTCTTTTCAAGAAATG
 CTCCACTTAACACTAAAATGCTCTCATAACTGTGATGGATAAGGATTCTGAACATAATGGTAGGGTGAC
 ATGCTTCACAGATCATGAAGTTCCTTTTCAAGATTGCGACCAAGTATTCAGTAATCAGTTTCTCTTGGAGACT
 GCTGCATTTCTTGACTTTGAGTCCACAAGAGAATATGCCATAAAATTAAGCCGCTGATGCTGGCAAAC
 CTCTTTGAATCAGTCATCCATGCTCCTGATCAAAGTAAAAGATGAAAATGACAATGCTCCAGTTTTTCA
 CAGTCTTTTCAAGCCTTTCTGTTCTGAGAATAACTCTCTGTTGTCACAGTTGACAAAATCAGTGCA
 ACAGATGCAGACAGTGGACAGAATGCTGAAATAAGCTACATGCTAGGTTTTGATGCACCACCTGAATTCA



ATCTGGATCAACGTAAGGCACTGCTGACTGCAGTGAAGAACTAGATAGGGAAAAACAGGAAAAGTATTA
 CTTTACAGTTTTGGCACAGGACAATGGAATTCACCCCTAATGTCCAATGCCACTGTATTTGTGACTGTT
 CTTGACCAGAATGATAATAGCCCAATTTTCACTCATAATGAATATAAATTCTATGTTCTGAAAGCCTTC
 CAAAACATGGCACAGTAGGGCTAATAACTGTGACTGATCCTGATTACGGAGAGAATTCTGCAGTTACCT
 CTCCATCTTAGATGTGAATGATCAATCACTATTGATCCACAGTCTGGTGTATCAGGCCAAATATTTCA
 TTTGACAGAGAAAAGACAAGAATCCTATACTTTCTATGTAAGCTGAGGATGGTGGTAGGGTATCACGTT
 CTTCAACTGCTAGAGTAACCATAAATGTGGTTGATGTCAATGATAACAAACCAATTTTTATTGACCCTCC
 TTCCAATTACTCCTTTGAATGGGTTCTACCATCCACAAACCCTGGCACAGTTGTCTTCAAGGTTGTTGCA
 ATTGACGATGATATTGGCATGAATGCAGAGGTTCTTTACAGCATTGTTGGAGGAAATACAAAAGGACTGT
 TTATGATTGAACAAACATCAGGTAACATCACATTGAAGGAGAAGTGCATGGTTTCAGATCTTGGTTTACA
 CCGAGTCATAGTCAAAGCTAATGATTTAGGACAACCTGATTCTCTTCAATGTTGTAATGTCAATTTT
 TTTATAAATGAGTCCGTGCCAATGCCACACTGATTTATGAAGTGGTGGCAGAGAAGCATTGATGCACCTG
 CCAATCAAATACTGAAACAACCAAGTGCATCCTCACCAACCCTGACTATGTCAAGATCATGTTGCCAT
 TGTGGCTGGCACCATAACTGTTGTCTAGTTATTTTCATCACTGCTGTAGTAAGATGCCGCCAACCA
 CATCTTAAGGCTTCTCAGAAAAACAACAGAATCTGAGTGGGTTACTCCAAACCAGAAAAACAGGCAGA
 TGATTATGATGAAGAAGAAGAAGAAAAAGAAGAAGCATCCCCCAAGAACTTCTGCTTAATTTTTGT
 CACTATTGAAGAAGCAAAGCCAGATGACGGTGAATGAGAGAAACAGTGTACACTAGATCTTCCAATT
 GAGCTGGAAGAGCAAACCATGGGCAATACAACCTGGGCACTACACCTACTACTTTCAAACCTGATAGCC
 CTGATTTGGCTCGACACTACAAATCGGCCCTCCTCAGCCTGCATTCCAGATCCAGCCTGAAACGCCCT
 GAACTCAAAGCACCACATCATTCAAGCACTGCCTCTTGATAATACCTTCGTTGGCTGTGATTCCATCTCC
 AAGTGTCTCCTCCAGCAGTTCTGATCCCTACAGTGTCTGAGTGTAGCTATCCAGGGGAGATAAGACCT
 TTGGACCAGCTCATTCAAGGCAGTTGAATTCATTCAATCAGTCAATGATGATTTCCAGAGAGCTGTC
 ATGTAATAAATCATGGGATTGAGGTTCCAGGTTAACAATGAATTAATGATTTCCAGAGAGCTGTC
 ACATTTACCTACCAGAAGGCTCTCAGGAAAGCATCAGTGTGGTGGATTGGGAGACCACGATGCAGGCA
 GCCTTCCAGTACATCCCATGCACTGCCTCTTGCTATCCTCAGGAAGAGTATTTTGATCATGCTGCACC
 AAACAACCGCACTGAAGGGGATGGCAACTCTGATCCTGAATCTACTTTTATTCTGGACTAAAGAAAGCT
 GCAGAAATAACAGTGCAGCAACTGTGGAAGAAGCCTCTGATACCTGACTCAAGAATGCCTCATCTTGG
 GACACTCTGACTCCTGCTGGATGCCAGCTACTTTGACCAATCCTAGCCCTTACAGATAAAGACCTCTGC
 TATCTGCCACAGCCACCAGGCCCGCTTGTGAGTTCGTGCTACAGCCCTCCAGTGCACAGACGGTC
 ACTATTTGCCACAGCCCCCTGTGACCAAGCTATTGCACTGTGTACAGCCCTCCACCAGTACAGGTTA
 CTGTACCCCGCCATAGTCCACCACCAGCACAGGCTCTGCAGTCACTACAGCCCACTAGTACAGGC
 TGTGGTAATTCACCACAGTCTCCTCTGCCACAGGCTGCCACACACCATCGCACTCAGGCACAACCA
 ATGGGTTTGCAGCAGGATGGGTGCAGGTTGCTGGAGCAGATGGACTGTATCCTATTGATCAGGGAGTAC
 AGGGCAGTACAAGAGCTCAGTTTTACCATGGCTGAAAGATTTTATCCCGATGATGACTCAATTAAGT
 CATTCCCTTGACCACCTTACTTCAGGTCAACAGGCCAGATCCTCAAGAGGTGATTCTCCAATCATAGAG
 GAACACCCCTTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001081385
Insert Size: 4005 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_001081385.1](#), [NP_001074854.1](#)

RefSeq Size: 4480 bp

RefSeq ORF: 4005 bp

Locus ID: 245578

Cytogenetics: X E2

Gene Summary: This gene encodes a member of the protocadherin family, and cadherin superfamily, of transmembrane proteins containing cadherin domains. The encoded protein may mediate cell-cell adhesion in neuronal tissues in the presence of calcium. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Nov 2012]