

Product datasheet for MR231772

Pcdh11x (NM_001271809) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh11x (NM_001271809) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcdh11x
Synonyms:	PCDH; Pcdh11; PCDHX; PCDHX11
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR231772 representing NM_001271809 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACTTGTGTCCGGGACGTATATATTTGCGGTCTGTAGCATGCGTCGTGTTTCAGTCTGGCGCC
AGGAGAAGAATTATACAGTCCGAGAAGAAATGCCAGAAAACGTCCTGATAGGCGACTTGTGAAAGACCT
CAACTTGTGCTTATCCCGACAAGTCCCTAACCACTCCTATGCAGTTCAAATTAGTTTACAAAACCGGG
GATGTACCATTGATTGCGATTGAAGAGGGTACTGGAGAGATCTTCACTACTGGTGACGCATTGATCGTG
AGAAATTATGTGCTGGAATCGTGTGGATGCCCGTTGCTTTTACGAAGTGGAGGTTGCTGTTTTGCCGGA
TGAAATATTTGATTGGTTAAGATACGCTTTCTGATTGAAGACATAAATGATAATGCACCGTTATTTCCCA
ACAACGTGCATCAACATATCAATTCCGGAGAATCGGCTATAAATCTCGATATTCTCTCCAGCAGCCA
TTGATCCTGACATTGGAATAAATGGAGTCCAAAATACCAACTAATTAAGAGTCAAAAATTTTTCGGACT
TGATGTCATTGAAACACCAGAAGGAGACAAGATGCCCAACTGATTGTTCAAAGGAGTTAGATAGAGAA
GAGAAGGATACCTATGTGATGAAAGTAAAAGTTGAAGATGGTGGCTTTCCCTCAAAGATCCAGTACAGCTA
TTTTGCAAGTAAAGTGTGCTGATACAAACGACAATCACCAATCTCATAGAAAAGGAAATGAAGTCAG
TATACCAGAAAATGCTCCTATAGGTTCTTCAGTGACACAGCTCCATGCCACAGATGCAGATATAGGTGAG
AATGCCAGAATCACTTTTATTTTTCAGCAACCTAGTCTCCAACATCGCTAAGAGACTGTTTCATCTAAACA
CCACTACTGGACTTATCACTGTCAAAGAACCCTGGATAGGGAAGAATCACCAAGTCAACAAGTTATTGGT
TTTGGCAACTGATGGTGGATCAACACCAGCAAGAGCAACGGTGTGGTAAATGTCACAGATATCAATGAT
AATGTCCCATCAATTGACATAAGATACATTGTCAATCCAACCAATGGCACTGTGCTTCTTTTTCAGAGAATG
CTCCACTTAACACTAAAATGCTCTCATAACTGTGATGGATAAGGATTCTGAACATAATGGTAGGGTGAC
ATGCTTACAGATCATGAAGTTCCTTTTTCAGATTGCGACAGTATTCAGTAATCAGTTTCTCTTGGAGACT
GCTGCATTTCTGACTTTGAGTCCACAAGAGAATATGCCATAAAATTAAGCCGCTGATGCTGGCAAAC
CTCCTTTGAATCAGTCATCCATGCTCCTGATCAAAGTAAAAGATGAAAATGACAATGCTCCAGTTTTTTCAC
CCAGTCTTTCATAAGCCTTTCTGTTCTGAGAATAACTCTCCTGGTGCACAGTTGACAAAATCAGTGCA
ACAGATGCAGACAGTGGACAGAATGCTGAAATAAGCTACATGCTAGGTTTTGATGCACCACCTGAATTCA



[View online >](#)

ATCTGGATCAACGTAAGTGGCATCCTGACTGCAGTGAAGAACTAGATAGGGAAAAACAGGAAAAGTATTA
CTTTACAGTTTTGGCACAGGACAATGGAATTCACCCCTAATGTCCAATGCCACTGTATTTGTGACTGTT
CTTGACCAGAATGATAATAGCCCAATTTCACTCATAATGAATATAAATTCTATGTTCTGAAAGCCTTC
CAAAACATGGCACAGTAGGGCTAATAACTGTGACTGATCCTGATTACGGAGAGAATTCTGCAGTTACCTT
CTCCATCTTAGATGTGAATGATCAATTCACTATTGATCCACAGTCTGGTGCATCAGGCCAAATATTTCA
TTTGACAGAGAAAACAAGAATCCTATACTTTCTATGTAAAAGCTGAGGATGGTGGTAGGGTATCACGTT
CTTCAACTGCTAGAGTAACCATAAATGTGGTTGATGTCAATGATAACAAACCAATTTTTATTGACCCTCC
TTCCAATTACTCCTTTGAATGGGTTCTACCATCCACAAACCCTGGCACAGTTGTCTTCAAGGTTGTTGCA
ATTGACGATGATATTGGCATGAATGCAGAGGTTCTTTACAGCATTGTTGGAGGAAATACAAAAGGACTGT
TTATGATTGAACAAACATCAGGTAACATCACATTGAAGGAGAAGTGCATGGTTTCAGATCTTGGTTTACA
CCGAGTCATAGTCAAAGCTAATGATTTAGGACAACCTGATTCTCTCTTCAATGTTGTAATGTCAATTTT
TTTATAAATGAGTCCGTGCCAATGCCACACTGATTTATGAAGTGGTGGCAGAGAAGCATTGATGCACCTG
CCAATCAAATACTGAAACAACCAAGTGCATCCTCACCAACCACTGACTATGTCAAGATCATGTTGCCAT
TGTGGCTGGCACCATAACTGTTGCTAGTTATTTTCATCACTGCTGTAGTAAGATGCCGCCAACCA
CATCTTAAGGCTTCTCAGAAAAACAACAGAATCTGAGTGGGTTACTCAAACCCAGAAAAACAGGCAGA
TGATTATGATGAAGAAGAAGAAGAAAAAGAAGAAGCATCCCCCAAGAACTTGTCTGTTAATTTTGT
CACTATTGAAGAAGCAAAGCCAGATGACGGTGAATGAGAGAAACAGTGCACACTAGATCTTCCAATT
GAGCTGGAAGAGCAAACCATGGGCAATACAACCTGGGGCACTACACCTACTACTTTCAAACCTGATAGCC
CTGATTTGGCTCGACACTACAAATCGGCCCTCCTCAGCCTGCATTCCAGATCCAGCCTGAAACGCCCTT
GAACTCAAAGCACCACATCATTGAGCACTGCCTCTTGATAATACCTTCGTTGGCTGTGATTCCATCTCC
AAGTGCCTCCTCCAGCAGTCTGTACCCACAGTGTCTGAGTGTAGTATCCAGTGACAACCTTTCAAGG
CCCCTGTGTCTGTGCATATCAGACCGACAATGAAGGAGGTGGTAAGATCTCACACACCCATGAAAGAGGC
AACCACTGTGAAATCTGGACTCATCCACATCCACAGCGCGATCTGATGGGAAAAAGCAGGAAAGTCC
CAGAGACGTGTACATTTACCTACCAGAAGGCTCTCAGGAAAGCATCAGTGTGGTGGATTGGGAGACC
ACGATGCAGGCAGCCTTCCCAGTACATCCCATGCACTGCCTCTTGCTATCCTCAGGAAGAGTATTTTGA
TCATGCTGCACCAAAACAACCGCACTGAAGGGGATGGCAACTCTGATCCTGAATCTACTGCAGAAATAACA
GTGCAGCCAACCTGTGGAAGAAGCCTCTGATACCTGTACTCAAGAATGCCTCATCTTGGGACACTCTGACT
CCTGCTGGATGCCAGCTACTTTGACCAATCCTAGCCCTTACAGATAAAGACCTCTGCTATCTGCCACAG
CCCACCCAGGCCCGCTTGTGAGTTCGTCGCTACAGCCCTCCAGTGACACAGACGGTCACTATTTGCCAC
AGCCCCCTGTGACCCAAGCTATTGCACTGTGTCACAGCCCTCCACCAGTACAGGTTACTGTACCCCGCC
ATAGTCCACCACCAGCACAGGCCTCTGCAGTCACTACAGCCCACTCTAGTACAGGCTGTGGTAATTCA
CCACAGTCTCCTCTGCCACAGGCTGCCACACACCATCGCACTCAGGCACAACCACCAATGGGTTTGCAG
CAGGGATGGGTGCAGGTTGCTGGAGCAGATGGACTGTATCCTATTGATCAGGGAGTACAGGGCAGTACAA
GAGCTCAGTTTTACACCATGGCTGAAAGATTTTCATCCCGATGATGACTCAATTAAGTATTCCCTTGAC
CACCTTACTTCAGGTCAACAGGCCAGATCCTCAAGAGGTGATTCTCCAATCATAGAGGAACACCCCTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231772 representing NM_001271809
 Red=Cloning site Green=Tags(s)

MDLLSGTYIFAVLLACVVFQSGAQEKNYTVREEMPENVLIGDLLKDLNLSLIPDKSLTTPMQFKLVYKTG
 DVPLIRIEEGTGEIFTTGARIDREKLCAGIVLDARCFYEVEVAVLPDEIFRLVKIRFLIEDINDNAPLFP
 TTVINISIPENSAINRYSLPAADDPDIGINGVQNYQLIKSQNIFGLDVIETPEGDKMPQLIVQKELDRE
 EKDTYVMKVKVEDGGFPQRSSTAILQVSVADTNDNHPIFIEKEIEVSIPIENAPIGSSVTQLHATDADIGE
 NARIHFYFNLVSNIAKRLFHLNNTTGLITVKEPLDREESPSHKLLVLATDGGSTPARATVLVNVTDIND
 NVPSIDIRYIVNPTNGTVLLSENAPLNTKIALITVMDKDEHNGRVTCFTDHEVPFRLRPVFSNQFLEET
 AAFDFESTREYAIKLLAADAGKPLNQSSMLLIKVKDENDNAPVFTQSFISLSPENNSPGAQLTKISA
 TDADSGQNAEISYMLGFDAPPEFNLQRTGILTAVKKLDREKQEKYFTVLAQDNGIPPLMSNATVFTV
 LDQNDNSPIFTHNEYNFYVPESLPKHGTVGLITVTDPPDYGENSAVTLILDVNDQFTIDPQSGVIRPNIS
 FDRERQESYTFYVKAEDGGRVSRSTARVTINVVDVNDNPKIFIDPPSNYSFEWLPSTNPGTVVFKVVA
 IDDDIGMNAEVLYSIVGNTKGLFMIEQTSGNITLKEKCMVSDGLHRVIVKANDLGQDLSLNVVNVNF
 FINESVFNATLIYELVRRSIDAPANQNTETTSASSPTDYVKIMVAIVAGTITVVLVIFITAVVRCRQPP
 HLKASQKNQNSEWVTPNPENRQIMMKKKKKKKKHPKNNLLNFVTIEEAKPDDGENERNSVTLDLPI
 ELEEQTMGKYNWGTPTTTFKPDSPDLARHYKSASPQAFQIQPETPLNSKHIIQELPLDNFTVGCDSIS
 KCSSSSSDPYSVSECSYPVTTFKAPVSVHIRPTMKEVVRSHPTMKEATTVEIWHPHPQRRSDGKKAGKS
 QRRVTFHLPESQESISDGGLDHAGSLPSTSHALPLGYPQEEYFDHAAPNNRTEGDGNSDPESTAEIT
 VQPTVEEASDTCTQECLILGHSWSCWMPATLTNPSPSQIKTSAICHSPRRPRLSVRRYSPPVQTVTICH
 SPPVTQAIACHSPPVQVTVPRHSPPPAQASAVSYSTPLVQAVVIHHSPLPQAATHHRTQAQPPMGLQ
 QGWVQGAGADGLYPIDQGVQGSTRAQFYTMAERFHPDDDSIKVIPLTFTTSGQQRSSRGGSPPIIEEHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

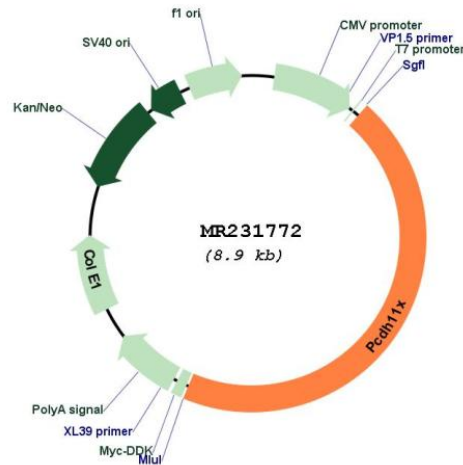
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001271809

ORF Size: 3990 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001271809.1](#), [NP_001258738.1](#)

RefSeq Size: 8637 bp

RefSeq ORF: 3993 bp

Locus ID: 245578

Cytogenetics: X E2

MW: 146.9 kDa

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]