

Product datasheet for MC229561

Pcdh11x (NM_001271809) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh11x (NM_001271809) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pcdh11x
Synonyms:	PCDH; Pcdh11; PCDHX; PCDHX11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC229561 representing NM_001271809 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACTGTGTCCGGGACGTATATATTTGCGGTCTGTAGCATGCGTCGTGTTTCAGTCTGGCGCC
AGGAGAAGAATTATACAGTCCGAGAAGAAATGCCAGAAAACGTCCTGATAGGCGACTTGTGAAAGACCT
CAACTTGTGCTTATCCCGACAAGTCTTAACCACTCCTATGCAGTTCAAATTAGTTTACAAAACCGGG
GATGTACCATTGATTGCGATTGAAGAGGGTACTGGAGAGATCTTCACTACTGGTGCACGCATTGATCGT
AGAAATTATGTGCTGGAATCGTGTGGATGCCCGTTGCTTTACGAAGTGGAGGTTGCTGTTTTGCCGGA
TGAATATTTGATTGGTTAAGATACGCTTTCTGATTGAAGACATAAATGATAATGCACCGTTATCCCA
ACAACTGTCATCAACATATCAATTCGGGAGAACTCGGCTATAAACTCTCGATATTCTCTCCAGCAGCCA
TTGATCCTGACATTGGAATAAATGGAGTCCAAAATACCAACTAATTAAGAGTCAAAAATTTTTCCGACT
TGATGTCATTGAAACACCAGAAGGAGACAAGATGCCCAACTGATTGTTCAAAGGAGTTAGATAGAGAA
GAGAAGGATACCTATGTGATGAAAGTAAAAGTTGAAGATGGTGGCTTTCTCAAAGATCCAGTACAGCTA
TTTTGCAAGTAAGTGTGCTGATACAAACGACAATCACCAATCTTCATAGAAAAGGAAATGAAGTCAG
TATACCAGAAAATGCTCCTATAGGTTCTTCACTGACACAGCTCCATGCCACAGATGCAGATATAGGTGAG
AATGCCAGAATTCACCTTTATTTACAGAACCTAGTCTCCAACATCGCTAAGAGACTGTTTCATCTAAACA
CCACTACTGGACTTATCACTGTCAAAGAACCCTGGATAGGGAAGAATCACCAAGTCACAAGTTATTGGT
TTTGGCAACTGATGGTGGATCAACACCAGCAAGAGCAACGGTGGTAAATGTCACAGATATCAATGAT
AATGTCCCATCAATTGACATAAGATACATTGTCAATCCAACCAATGGCACTGTGCTTCTTTACAGAGAATG
CTCCACTTAACACTAAAATTGCTCTCATAACTGTGATGGATAAGGATTCTGAACATAATGGTAGGGTGAC
ATGCTTACAGATCATGAAGTTCCTTTACAGATTGCGACCAGTATTCAGTAATCAGTTTCTCTGGAGACT
GCTGCATTTCTGACTTTGAGTCCACAAGAGAATATGCCATAAAATTAAGCCGCTGATGCTGGCAAAC
CTCCTTTGAATCAGTCATCCATGCTCCTGATCAAAGTAAAAGATGAAAATGACAATGCTCCAGTTTTCAC
CCAGTCTTTCATAAGCCTTTCTGTTCTGAGAATAACTCTCCTGGTGCACAGTTGACAAAATCAGTGCA



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ACAGATGCAGACAGTGGACAGAATGCTGAAATAAGCTACATGCTAGGTTTTGATGCACCACCTGAATTCA
 ATCTGGATCAACGTACTGGCATCCTGACTGCAGTGAAGAACTAGATAGGGAAAAACAGGAAAAGTATTA
 CTTTACAGTTTTGGCACAGGACAATGGAATTCACCCCTAATGTCCAATGCCACTGTATTTGTGACTGTT
 CTTGACCAGAATGATAATAGCCCAATTTCACTCATAATGAATATAACTTCTATGTTCTGAAAGCCTTC
 CAAAACATGGCACAGTAGGGCTAATAACTGTGACTGATCCTGATTACGGAGAGAATCTGCAGTTACCTC
 CTCCACTTAGATGTGAATGATCAATTCACTATTGATCCACAGTCTGGTGCATCAGGCCAAATATTTCA
 TTTGACAGAGAAAGACAAGAATCCTATCTTTCTATGTAAAAGCTGAGGATGGTGGTAGGGTATCAGCTT
 CTTCAACTGCTAGAGTAACCATAAATGTGGTTGATGTCAATGATAACAAACCAATTTTTATTGACCCTCC
 TTCCAATTACTCCTTTGAATGGGTTCTACCATCCACAAACCCTGGCACAGTTGTCTTCAAGTTGTTGCA
 ATTGACGATGATATTGGCATGAATGCAGAGGTTCTTTACAGCATTGTTGGAGGAAATACAAAAGGACTGT
 TTATGATTGAACAAACATCAGGTAACATCACATTGAAGGAGAAGTGCATGGTTTCAGATCTTGGTTTACA
 CCGAGTCATAGTCAAAGCTAATGATTTAGGACAACCTGATTCTCTCTTCAATGTTGTAATGTCAATTTT
 TTTATAAATGAGTCCGTGCCAATGCCACACTGATTTATGAACTGGTGCAGAGAAGCATTGATGCACCTG
 CCAATCAAATACTGAAACAACCAAGTGCATCCTACCAACCCTGACTATGTCAAGATCATGGTTGCCAT
 TGTGGCTGGCACCATAACTGTTGCTAGTTATTTTCATCACTGCTGTAGTAAGATGCCGCCAACCCACA
 CATCTTAAGGCTTCTCAGAAAAACAAACAGAATCTGAGTGGGTTACTCCAAACCAGAAAAACAGGCAGA
 TGATTATGATGAAGAAGAAGAAGAAAAAGAAGAAGCATCCCCCAAGAACTTGTGCTTAATTTTGT
 CACTATTGAAGAAGCAAAGCCAGATGACGGTGAATGAGAGAAACAGTGTCACTAGATCTTCCAATT
 GAGCTGGAAGAGCAAACCATGGGCAATACAACCTGGGGCACTACACCTACTACTTTCAAACCTGATGCC
 CTGATTTGGCTCGACACTACAAATCGGCCCTCCTCAGCCTGCATTCCAGATCCAGCCTGAAACGCCCT
 GAACTCAAAGCACCACATCATTGAGGAACTGCCTCTTGATAATACCTTCGTTGGCTGTGATTCATCTCC
 AAGTGCCTCCAGCAGTCTGATCCCTACAGTGTCTGAGTGTAGCTATCCAGTGACAACCTTTCAAGG
 CCCCTGTGCTGTGCATATCAGACCGACAATGAAGGAGTGGTAAGATCTCACACACCAATGAAAGAGGC
 AACCACTGTGAAATCTGGACTCATCCACATCCACAGCGCGATCTGATGGGAAAAAAGCAGGAAAGTCC
 CAGAGACGTGTCATTTACCTACCAGAAGGCTCTCAGGAAAGCATCAGTGTGGTGGATTGGGAGACC
 ACGATGCAGGCAGCCTTCCCAGTACATCCATGCACTGCCTCTTGGCTATCCTCAGGAAGAGTATTTTGA
 TCATGCTGCACCAAAACAACCGCACTGAAGGGGATGGCAACTCTGATCCTGAATCTACTGCAGAAATAACA
 GTGCAGCCAACTGTGGAAGAAGCCTCTGATACCTGTACTCAAGAATGCCTCATCTTGGGACACTCTGACT
 CCTGCTGGATGCCAGCTACTTTGACCAATCCTAGCCCTCACAGATAAAGACCTCTGCTATCTGCCACAG
 CCCACCCAGGCCCGCTTGTGAGTTCGTCGCTACAGCCCTCCAGTGACACAGACGGTCACTATTTGCCAC
 AGCCCCCTGTGACCCAAGCTATTGCACTGTGTCACAGCCCTCCACCAGTACAGGTTACTGTACCCGCC
 ATAGTCCACCACAGCACAGGCCCTGTCAGTACAGTACAGCCCACTCTAGTACAGGCTGTGGTAATTC
 CCACAGTCTCCTCTGCCACAGGCTGCCACACACCATCGCACTCAGGCACAACCACCAATGGGTTTGCAG
 CAGGGATGGGTGCAGGCTGCTGGAGCAGATGGACTGTATCCTATTGATCAGGGAGTACAGGGCAGTACAA
 GAGCTCAGTTTTACACCATGGCTGAAAGATTTATCCCGATGATGACTCAATTAAGTATTCCCTTGAC
 CACCTTTACTTCAGGTCAACAGGCCAGATCCTCAAGAGGTGATTTCTCCAATCATAGAGGAACACCCCTTG
 TAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001271809

Insert Size: 3993 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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">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:	<u>NM_001271809.1</u> , <u>NP_001258738.1</u>
RefSeq Size:	8637 bp
RefSeq ORF:	3993 bp
Locus ID:	245578
Cytogenetics:	X E2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1, also known as 8) encodes the longer isoform (a). The 5' portion of this variant is inferred based on other variants at this locus. 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.</p>