

Product datasheet for MC229558

Pcdh11x (NM_001271810) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh11x (NM_001271810) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pcdh11x
Synonyms:	PCDH; Pcdh11; PCDHX; PCDHX11
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229558 representing NM_001271810 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTTGTGTCCGGGACGTATATATTTGCGGTCTGTAGCATGCGTCGTGTTTCAGTCTGGCGCC
AGGAGAAGAATTATACAGTCCGAGAAGAAATGCCAGAAAACGTCCTGATAGGCGACTTGTGAAAGACCT
CAACTTGTGCTTATCCCGACAAGTCCCTAACCACTCCTATGCAGTTCAAATTAGTTTACAAAACCGGG
GATGTACCATTGATTGCGATTGAAGAGGGTACTGGAGAGATCTTCACTACTGGTGACGCATTGATCGTG
AGAAATATGTGCTGGAATCGTGTGGATGCCCGTTGCTTTTACGAAGTGGAGGTTGCTGTTTTGCCGGA
TGAAATATTTGATTGGTTAAGATACGCTTTCTGATTGAAGACATAAATGATAATGCACCGTTATTTCCCA
ACAACGTGCATCAACATATCAATTCCGGAGAATCGGCTATAAATCTCGATATTCTCTCCAGCAGCCA
TTGATCCTGACATTGGAATAAATGGAGTCCAAAATACCAACTAATTAAGAGTCAAAAATTTTTCGGACT
TGATGTCATTGAAACACCAGAAGGAGACAAGATGCCCAACTGATTGTTCAAAGGAGTTAGATAGAGAA
GAGAAGGATACCTATGTGATGAAAGTAAAAGTTGAAGATGGTGGCTTTCCCTCAAAGTCCAGTACAGCTA
TTTTGCAAGTAAAGTGTGCTGATACAAACGACAATCACCAATCTCATAGAAAAGGAAATGAAGTCA
TATACCAGAAAATGCTCCTATAGGTTCTTCAGTGACACAGCTCCATGCCACAGATGCAGATATAGGTGAG
AATGCCAGAATCACTTTTATTTTCAAGCAACCTAGTCTCCAACATCGCTAAGAGACTGTTTCATCTAAACA
CCACTACTGGACTTATCACTGTCAAAGAACCCTGGATAGGGAAGAATCACCAAGTCAACAAGTTATTGGT
TTTGGCAACTGATGGTGGATCAACACCAGCAAGAGCAACGGTGTGGTAAATGTCACAGATATCAATGAT
AATGTCCCATCAATTGACATAAGATACATTGTCAATCCAACCAATGGCACTGTGCTTCTTTTCAAGAAATG
CTCCACTTAACACTAAAATGCTCTCATAACTGTGATGGATAAGGATTCTGAACATAATGGTAGGGTGAC
ATGCTTACAGATCATGAAGTTCCTTTTCAAGTGGACAGTATTCAGTAATCAGTTTCTCTTGGAGACT
GCTGCATTTCTGACTTTGAGTCCACAAGAGAATATGCCATAAAATTAAGCCGCTGATGCTGGCAAAC
CTCCTTTGAATCAGTCATCCATGCTCCTGATCAAAGTAAAAGATGAAAATGACAATGCTCCAGTTTTTCA
CCAGTCTTTCATAAGCCTTTCTGTTCTGAGAATAACTCTCCTGGTGCACAGTTGACAAAATCAGTGCA
ACAGATGCAGACAGTGGACAGAATGCTGAAATAAGCTACATGCTAGGTTTTGATGCACCACCTGAATTCA



[View online >](#)

ATCTGGATCAACGTAAGGCACTGCTGACTGCAGTGAAGAACTAGATAGGGAAAAACAGGAAAAGTATTA
 CTTTACAGTTTTGGCACAGGACAATGGAATTCACCCCTAATGTCCAATGCCACTGTATTTGTGACTGTT
 CTTGACCAGAATGATAATAGCCCAATTTTCACTCATAATGAATATAAATTCTATGTTCTGAAAGCCTTC
 CAAAACATGGCACAGTAGGGCTAATAACTGTGACTGATCCTGATTACGGAGAGAATTCTGCAGTTACCTT
 CTCCATCTTAGATGTGAATGATCAATTCCTACTATTGATCCACAGTCTGGTGTATCAGGCCAAATATTTCA
 TTTGACAGAGAAAAGACAAGAATCCTATACTTTCTATGTAAGCTGAGGATGGTGGTAGGGTATCACGTT
 CTTCAACTGTAGAGTAACCATAAATGTGGTTGATGTCAATGATAACAAACCAATTTTTATTGACCCCTCC
 TTCCAATTACTCCTTTGAATGGGTTCTACCATCCACAAACCCTGGCACAGTTGTCTTCAAGGTTGTTGCA
 ATTGACGATGATATTGGCATGAATGCAGAGGTTCTTTACAGCATTGTTGGAGGAAATACAAAAGGACTGT
 TTATGATTGAACAAACATCAGGTAACATCACATTGAAGGAGAAGTGCATGGTTTCAGATCTTGGTTTACA
 CCGAGTCATAGTCAAAGCTAATGATTTAGGACAACCTGATTCTCTCTTCAATGTTGTAATGTCAATTTT
 TTTATAAATGAGTCCGTGCCAATGCCACACTGATTTATGAAGTGGTGGCAGAGAAGCATTGATGCACCTG
 CCAATCAAATACTGAAACAACCAAGTGCATCCTCACCACCACTGACTATGTCAAGATCATGGTTGCCAT
 TGTGGCTGGCACCATAACTGTTGTCTAGTTATTTTCATCACTGCTGTAGTAAGATGCCGCCAACCA
 CATCTTAAGGCTTCTCAGAAAAACAACAGAATCTGAGTGGGTTACTCCAAACCCAGAAAAACAGGCAGA
 TGATTATGATGAAGAAGAAGAAGAAAAAGAAGAAGCATCCCCCAAGAACTTCTGCTTAATTTTTGT
 CACTATTGAAGAAGCAAAGCCAGATGACGGTGAATGAGAGAAACAGTGCACACTAGATCTTCCAATT
 GAGCTGGAAGAGCAAACCATGGGCAATACAACCTGGGGCACTACACCTACTACTTTCAAACCTGATAGCC
 CTGATTTGGCTCGACACTACAAATCGGCCCTCCTCAGCCTGCATTCCAGATCCAGCCTGAAACGCCCTT
 GAACTCAAAGCACCACATCATTGAGCACTGCCTCTTGATAATACCTTCGTTGGCTGTGATTCCATCTCC
 AAGTGTCTCCTCCAGCAGTCTGATCCCTACAGTGTCTGAGTGTAGCTATCCAGTGACAACCTTTCAAGG
 CCCCTGTGTCTGTGCATATCAGACCGACAATGAAGGAGGTGGTAAGATCTCACACACCCATGAAAGAGGC
 AACCACTGTGAAAATCTGGACTCATCCACATCCACAGTCCCAGAGACGTGCACATTTACCTACCAGAA
 GGCTCTCAGGAAAGCATCAGTATGGTGGATTGGGAGACCAGATGCAGGCAGCCTTCCCAGTACATCCC
 ATGCACCTGCTCTGGCTATCCTCAGGAAGAGATTTTGTATGCTGCACCAAAACAACCGCACTGAAGG
 GGATGGCAACTCTGATCCTGAATCTACTGCAGAAATAACAGTGCAGCCTGTTGGAAGAAGCCTCTGAT
 ACCTGTAATCAAGAATGCCTCATCTTGGGACACTGACTCCTGCTGGATGCCAGCTACTTTGACCAATC
 CTAGCCCTTACAGATAAAGACCTCTGCTATCTGCCACAGCCACCCAGGCCCGCTTGTGAGTTCGTCG
 CTACAGCCCTCCAGTGACACAGACGGTCACTATTTGCCACAGCCCCCTGTGACCAAGCTATTGCACTG
 TGTACAGCCCTCCACCAGTACAGGTTACTGTACCCCGCCATAGTCCACCACCAGCACAGGCCTCTGCAG
 TCAGCTACAGCCCACTCTAGTACAGGCTGTGGTAATTCACCACAGTCTCCTCTGCCACAGGCTGCCAC
 ACACCATCGCACTCAGGACAACCAACCAATGGGTTTGCAGCAGGGATGGGTGCAGGGTGTGGAGCAGAT
 GGACTGTATCCTATTGATCAGGGAGTACAGGGCAGTACAAGAGCTCAGTTTTACCCATGGCTGAAAGAT
 TTCATCCCAGTATGACTCAATTAAGTCAATCCCTTGACCACCTTTACTTCAAGTCAACAGGCCAGATC
 CTCAAGAGGTGATTCTCCAATCATAGAGGAACACCCCTTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001271810
- Insert Size:** 3963 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_001271810.1</u> , <u>NP_001258739.1</u>
RefSeq Size:	8607 bp
RefSeq ORF:	3963 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 (2, also known as 6) lacks an in-frame exon, compared to variant 1. The encoded isoform (b) is shorter than 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>