

Product datasheet for **SC329276**

PCDH11X (NM_001168361) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCDH11X (NM_001168361) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCDH11X
Synonyms:	PCDH-X; PCDH-Y; PCDH11; PCDH11Y; PCDH22; PCDHX; PPP1R119
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001168361, the custom clone sequence may differ by one or more nucleotides

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ATGGACTTGTTCGCGGACGTACATTTTCGCGGTCTGTAGCATGCGTGGTGTCCAC
TCTGGCGCCAGGAGAAAACTACACCATCCGAGAAGAAATGCCAGAAAACGTCCTGATA
GGCGACTTGTGAAAGACCTTAACCTTGTGCTGATTCCAAACAAGTCTTGACAAGTCT
ATGCAGTTCAGCTAGTGTACAAGACCGGAGATGTGCCACTGATTGCAATTGAAGAGGAT
ACTGGTGAGATCTTCACTACTGGCGCTCGCATTGATCGTGAGAAATTATGTGCTGGTATC
CCAAGGGATGAGCATTGCTTTTATGAAGTGGAGGTTGCCATTTTGCCGGATGAAATATT
AGACTGGTTAAGATACGTTTTCTGATAGAAGATATAAATGATAATGCACCATTGTCCCA
GCAACAGTTATCAACATATCAATCCAGAGAACCTGGCTATAAACTCTAAATATACTCTC
CCAGCGGCTGTTGATCCTGACGTAGGAATAAACGGAGTTCAAACTACGAACTAATTAAG
AGTCAAAACATTTTTGGCCTCGATGTCATTGAAACACCAGAAGGAGACAAGATGCCACAA
CTGATTGTTCAAAAGGAGTTAGATAGGGAAGAGAAGGATACCTACGTGATGAAAGTAAAG
GTTGAAGATGGTGGCTTTCTCAAAGATCCAGTACTGCTATTTTGAAGTGGTGTACT
GATACAAATGACAACCCAGTCTTTAAGGAGACAGAGATTGAAGTCAAGTATACCCAGAA
AATGCTCCTGTAGGCACTTCACTGACACAGCTCCATGCCACAGATGCTGACATAGGTGAA
AATGCCAAGATCCACTTCTTTTCAGCAATCTAGTCTCCAACATTGCCAGGAGATTTT
CACCTCAATGCCACCACTGGACTTATCACAAATCAAAGAACCACTGGATAGGGAAGAAACA
CCAAACCACAAGTTACTGGTTTTGGCAAGTGATGGTGGATTGATGCCAGCAAGAGCAATG
GTGCTGGTAAATGTTACAGATGTCAATGATAATGTCCCATCCATTGACATAAGATACATC
GTCAATCCTGTCAATGACACAGTTGTTCTTTTCAGAAAATATTCCACTCAACACCAAAAT
GCTCTCATAACTGTGACGGATAAGGATGCGGACCATAATGGCAGGGTGACATGCTTCACA
GATCATGAAATCCCTTTTCAGATTAAGGCCAGTATTCAGTAATCAGTTCCTCCTGGAGACT
GCAGCATATCTTGACTATGAGTCCACAAAAGAATATGCCATTAATTAAGTGGCTGCAGAT
GCTGGCAAACCTCCTTTGAATCAGTCAGCAATGCTCTTCATCAAAGTAAAAGATGAAAT
GACAATGCTCCAGTTTTACCCAGTCTTTCGTAAGTCTTCTATTCTGAGAATAACTCT
CCTGGCATCCAGTTGACGAAAGTAAAGTGAATGGATGCAGACAGTGGGCCTAATGCTAAG

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ATCAATTACCTGCTAGGCCCTGATGCTCCACCTGAATTCAGCCTGGATTGTCGTACAGGC
ATGCTGACTGTAGTGAAGAACTAGATAGAGAAAAAGAGGATAAAATTTTATTCACAATT
CTGGCAAAAGATAACGGGGTACCACCCTTAACCAGCAATGTCACAGTCTTTGTAAGCATT
ATTGATCAGAATGACAATAGCCCAGTTTTCACTCACAATGAATACAACCTCTATGTCCCA
GAAAACCTTCCAAGGCATGGTACAGTAGGACTAATCACTGTAAGTATCCTGATTATGGA
GACAATTCTGCAGTTACGCTCTCCATTTTAGATGAGAATGATGACTTCACCATTGATTCA
CAAATGGTGTCAATCCGACCAAATATTTCAATTTGATAGAGAAAAACAAGAATCTTACCA
TTCTATGTAAAGGCTGAGGATGGTGGTAGAGTACAGTTCTTCAAGTGCCAAAGTAACC
ATAAATGTGGTTGATGTCAATGACAACAACCAGTTTTTATTGTCCTCCTTCCAAGTGT
TCTTATGAATTGGTTCTACCGTCCACTAATCCAGGCACAGTGGTCTTTCAGGTAATTGCT
GTTGACAAATGACTGGCATGAATGCAGAGGTTGTTACAGCATTGTAGGAGGAAACACA
AGAGATCTGTTTGAATCGACCAAGAAACAGGCAACATAACATTGATGGAGAAATGTGAT
GTTACAGACCTTGGTTTACACAGAGTGTGGTCAAAGCTAATGACTTAGGACAGCCTGAT
TCTCTCTCAGTGTGTAATTGTCAATCTGTTGCTGAATGAGTCGGTGACCAATGCTACA
CTGATTAATGAACTGGTGCAGCAAAAGCACTGAAGCACCAGTGACCCCAAATACTGAGATA
GCTGATGTATCCTCACCACCTAGTACTGATGTCAAGATCCTGGTTGCAGCTGTTGCTGGC
ACCATAACTGTCGTTGTAGTTATTTTCATCACTGCTGTAGTAAGATGTCGCCAGGCACCA
CACCTTAAGGCTGCTCAGAAAAACAAGCAGAATTTCTGAATGGGCTACCCCAAACCCAGAA
AACAGGCAGATGATAATGATGAAGAAAAAGAAAAAGAAGAAGCATTCCCCTAAGAAC
TTGCTGCTTAATTTTGTCACTATTGAAGAACTAAGGCAGATGATGTTGACAGTATGGA
AACAGAGTCACACTAGACCTTCTATTGATCTAGAAGAGCAACAATGGGAAAGTACAAT
TGGGTAACACTACACTACTACTTTCAAGCCCGACAGCCCTGATTTGGCCCGACACTACAAA
TCTGCCTCTCCACAGCCTGCCTTCCAAATTCAGCCTGAAACTCCCCTGAATTCGAAGCAC
CACATCATCCAAGAACTGCCTCTCGATAACACCTTTGTGGCCTGTGACTCTATCTCCAAG
TGTTCCCTCAAGCAGTTCAGATCCCTACAGCGTTTCTGACTGTGGCTATCCAGTGACGACC
TTCGAGGTACCTGTGTCGTACACACCAGACCGCAATGAAGGAGTTGTGCGATCTTGC
ACCCCATGAAAGAGTCTACAATATGGAGATCTGGATTCATCCCAACCCACAGCGGAAA
TCTGAAGGAAAGTGGCAGGAAAGACTGTGCTTACTTCTCTCCCTTCTGCCATGACC
CTTTCATACCTGGACTAA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_001168361
- 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001168361.1, NP_001161833.1</u>
RefSeq Size:	8226 bp
RefSeq ORF:	3198 bp
Locus ID:	27328
UniProt ID:	<u>Q9BZA7</u>
Cytogenetics:	Xq21.31
Protein Families:	Transmembrane
Gene Summary:	<p>This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The encoded protein consists of an extracellular domain containing 7 cadherin repeats, a transmembrane domain and a cytoplasmic tail that differs from those of the classical cadherins. The gene is located in a major X/Y block of homology and its Y homolog, despite divergence leading to coding region changes, is the most closely related cadherin family member. The protein is thought to play a fundamental role in cell-cell recognition essential for the segmental development and function of the central nervous system. Disruption of this gene may be associated with developmental dyslexia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]</p> <p>Transcript Variant: This variant (f) lacks one exon and contains an alternate exon, which results in a frameshift and an early stop codon, compared to variant c. The encoded isoform (f) has a shorter and distinct C-terminus, compared to isoform c.</p>