

## Product datasheet for **SC102392**

### PCDH20 (NM\_022843) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PCDH20 (NM_022843) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCDH20
Synonyms:	PCDH13
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_022843, the custom clone sequence may differ by one or more nucleotides

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ATGCGCGGCCGAGGGAATGCGCGCAGCTCACAGGCCCTGGGAGTGAGCTGGTGCCCGGCGACCTGGCACC
CGCGCCTGGATATGGGGCGTCTACATCGTCCCAGGAGCAGCACCAGCTACAGGAACCTGCCGCATCTGTT
TCTGTTTTTCTCTTCGTGGGACCCTTCAGCTGCCTCGGGAGTTACAGCCGGGCCACCGAGCTTCTGTAC
AGCCTAAACGAGGGACTACCCGCGGGGGTGTCTATCGGCAGCCTGGCCGAGGACCTGCGGCTGCTGCCCA
GGTCTGCAGGGAGGCCGGACCCGACGTCGACGCTGCCAGAGCGCACCCGGTGTGAGTGGAACCCCTCT
CTCCTTACGCTGGCCTCCCGGGGACTGAGTGGCCAGTACGTGACCCTAGACAACCGCTCTGGGAGCTG
CACACTTCAGCTCAGGAGATCGACAGGGAGGCCCTGTGTGTTGAAGGGGGTGGAGGGACTGCGTGGAGCG
GCAGCGTTTCCATCTCCTCTCCTTCTGACTTTGTCTTTTGTGCTGGATGTGCTTGTCTGCCTCA
GGAATACTTCAGGTTTGTGAAGGTGAAGATCGCCATCAGAGACATCAATGACAACGCCCCGAGTCCCT
GTTTCCCAGATCTCGGTGTGGTCCCGGAAAATGCACCTGTAACACCCGACTGGCCATAGAGCATCTG
CTGTGGACCCAGATGTAGGCATTAATGGGGTACAGACCTATCGCTTACTGGACTACCATGGTATGTTAC
CCTGGACGTGGAGGAGAATGAGAATGGGAGCGCACCCCTACCTAATTGTCATGGGTGCTTTGGACAGG
GAAACCCAGGACCAATGTGAGCATCATCATAGCTGAGGATGGTGGGTCTCCACCACTTTTGGGACGTG
CCTCTCACCATTGGCATCAGTGACATTAATGACAATTGCCCTCTTTCACAGACTCACAAATCAATGT
CACTGTGTATGGGAATGCTACAGTGGGCACCCCAATTGCAGCTGTCCAGGCTGTGGATAAAGACTTGGGG
ACCAATGCTCAAATTAATTTTACAGTCAAGAAAGTCCACAAGCATTAAGGATTTATTTACCTGG
ATGAAAACACTGGAGTCAATAAATTTTTCAGTAAGATTGGAGGAAGTGTCTGGAGTCCCACAAGCTCAC
CATCCTTGCTAATGGACCAGGCTGCATCCCTGCTGTAATCACTGCTCTTGTGCTCATTATTAAGTTATT
TTCAGACCCCTGAAATTTGCTCCCTCGTTACATAGCAAACGAGATAGATGGTGTGGTTATCTGAAAGAAC
TGGAAACCCGTTAACACTCCCATTTGCGTTTTTACCATAAGAGATCCAGAAGGTAATAACAAGGTTAACTG
CTACCTGGATGGTGAAGGCGCTTATAGTTATCACCTTACAAACCATACAATAATGAATATTTACTAGAG
ACCACAAAACCTATGGACTATGAGCTACAGCAGTTCTATGAAGTAGCTGTGGTGGCTTGGAACTCTGAGG
GATTTTCAATGCAAAAGGTCATTAAGTGAACCTTTTAGATGACAATGATAATGCTCCAATTTTCTTCA
ACCCTTAATAGAACTAACCATCGAAGAGAACTCACCAATGCCTTTTGGACTAAGCTGTATGCTACA
GATGCCGACAGCGAGGAGAGAGGCCAAGTTTCATATTTTCTGGGACCTGATGCTCCATCATATTTTCT
TAGACAGTGTACAGGAATCTGACAGTTTCTACTCAGCTGGACCGAGAAGAGAAAAGTACAGATA
CACTGTACAGAGCTGTTGACTGTGGGAAGCCACCCAGAGAATCAGTAGCCACTGTGGCCCTCACAGTGTG
GATAAAAATGACAACAGTCCCTCGTTTTATCAACAAGGACTTCAGCTTTTTTGTGCCTGAAAACCTTCCAG
GCTATGGTGAGATTGGAGTAATAGTGAACAGATGCTGACGCTGGACGAAATGGATGGGTGCGCCCTCTC
TGTGGTGAACCAGAGTGATATTTTGTCTATAGATACAGGAAAGGGTATGCTGAGGGCTAAAGTCTCTTTG
GACAGAGAGCAGCAAAGCTCCTATACTTTGTGGTTGAAGCTGTTGATGGGGGTGAGCCTGCCCTCTCT
CTACAGCAAAAATCAAAATCTCCTTCTAGATCAATGACAACCTCCTCTTGTTTTGTTCCTCAGTC
TAATATGTCTTATCTGTTAGTACTGCCTTCTACTCTGCCAGGCTCCCGGTTACAGAAGTCTATGCTGTC
GACAAAGACACAGGCATGAATGCTGTCTAGCTTACAGCATCATAGGGAGAAGAGGTCTTAGGCCGTGAGT
CCTTCAGGATTGACCCTAAAACCTGGCAACATTACTTTGGAAGAGGCATTGCTGCAGACAGATTATGGGCT
CCATCGTTACTGGTGAAGTGAGTGATCATGGTTATCCGAGCCTCTCCACTCCACAGTATGGTGAAC
CTATTTGTCAATGACACTGTCAGTAATGAGAGTTACATTGAGAGTCTTTAAGAAAAGAACCAGAGATTA
ATATAGAGGAGAAAAGAACCAAAATCTCAATAGAACCAGCTCATAGGAAGGTAGAATCTGTGCTTGTAT
GCCACCTTAGTAGCTGTCTGTAATAAGCTTGGGTTCCATCACACTGGTCACAGGGATGGGCATATAC
ATCTGTTAAGGAAAGGGGAAAAGCATCCAGGGAAGTGAATAATTTGGAAGTACAGATTCCACTGAAAG
GAAAATTGACTGCATATGCGAGAGAGAAAGCCAATGGATATTTCTAATATTTGA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_022843 unedited  
 ATTTGGATTTTGTATCCGACTTACTATAGGGCGGCCGCGCATTCCGGCACGAGGGCGGCCG  
 AGGGAATGCGCGCAGCTCACAGGCCCTGGGAGTGAGCTGGTGCCCGCGACCTGGCACCC  
 GCGCCTGGATATGGGGCGTCTACATCGTCCCAGGAGCAGCACCAGCTACAGGAACCTGCC  
 GCATCTGTTTCTGTTTTCTCTTCGTGGGACCCTTTCAGCTGCCTCGGGAGTTACAGCCG  
 GGCCACCAGACTTCTGTACAGCCTAAACGAGGGACTACCCGCGGGGGTGTCTATCGGCAG  
 CCTGGCCGAGGACCTGCGGCTGCTGCCAGGTCTGCAGGGAGGCCGACCCGACCTCGCA  
 GCTGCCAGAGCGCACCGGTGCTGAGTGGAACCCCTCTCTCCTTCAGCCTGGCCTCCCG  
 GGGACTGAGTGGCCAGTACGTGACCCTAGACAACCCTCTGGGGAGCTGCACACTTCAGC  
 TCAGGAGATCGACAGGGAGGCCCTGTGTGTTGAGGGGTTGGGAAGGGACTGCGNTGNAGC  
 GGGCAGCGTTCATCTNCTCCTCTCCTTCTGACTCTTGTCTTTTCTGCTGGATGTGCTT  
 GTCCTGCCTCAGGAATACTTCAGGTTTGTGAAGTGAAGATCGCCATCAGAGACATCAAT  
 GACAACGCCCCCGCAGTTTCCCTGTTTTCCAGATCTTCGGTGTGGTCCCGAAAAATG  
 CACCTGTTAACACCCGATTGGCCATAGAGCATCCTGCTGTGACCCAGAGTAGGCATTT  
 AAGGGGTACAGACCTATCGCTTACTGGACTACCAGGTATGTTACCCCTGGAACCTGGA  
 GAAAAATGAAAAATGGGGACCGCACCCCTCCCTATTGTAATGGGTGCTTTTGAAAGGAA  
 ACCCAGAACCATTGTGGACCTTATCATAGCTGGGGTGGGGGGCCTCCCCC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_022843 unedited  
 NNNTTTTACTGNACCCGGCCGCTTTTNNANGATCGAGTTTTTTTTTTTTTTTTTAAATA  
 CAAGTCTATAGCTGTTAGTACTAATTTTCACTTAAAAAGCTGTACACATTTTATAACCT  
 CTGAATTTAAATTTAAAAACCTGTAACAGCTATTTACAATATAGAACAAGTTATAAATT  
 AGTTGTCCTTCATTGAACTGCCATCAACACACTTTTTTTAGGTGATGAAGATCCAAG  
 TCAGTTAAAACATTTCTCTGTGTTATTCCACCATGAAATATCAAATATTAGAAATATCCA  
 TTGGCTTCTCTCTCGCATATGCAAGTCAATTTTTCTTTTCAGTGGAACTGTACTTCCA  
 AATTTTCATCTTCCCTGGGATGCTTTTCCCTTTCCTTAAACAGATGTATATGCCCATCC  
 CTGTGACCAGTGTGATGGAACCCAAGCTTATTACAGACAGAGCTACTAAGGTGGGCATAC  
 AAGACACAGATTCTACCTTCCATGAGTCGGTCTATTGAGATTTGTGGTCTTTCTCTCT  
 CTATATTAATCTCTGGTCTTTTCTTAAAGACTCTCAATGTAACCTCTCATTACTGACAG  
 TGTCATTTGACAAAATAGTTCCACCATGACTGTGGAGTGGAGAGGCTCGGGATAACCATGAT  
 CACTCACTTTTACCAGTAAGCGATGGAGCCCATAACTGTCTGCAGCAATGCCTCTTCCA  
 AAGTAATGTTGCCAGTTTTAGGGTCAATCCTGAAGGACTCANGCCTANGACCTTCTCTCC  
 CTATGATGCTGTAAGCTATGACAGCATTATGCCTGTGCTTTTGTGACAGCATAGACTT  
 CTGTAACCGNGAGCCTGNCAGAGTAAAAGGCAGTACTAACAGATAAGACATATTAGACT  
 GAG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_022843

**Insert Size:**

2930 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).

**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\\_022843.2](#), [NP\\_073754.1](#)

**RefSeq Size:** 4786 bp

**RefSeq ORF:** 2775 bp

**Locus ID:** 64881

**UniProt ID:** [Q8N6Y1](#)

**Cytogenetics:** 13q21.2

**Domains:** CA

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. This gene encodes a protein which contains 6 extracellular cadherin domains, a transmembrane domain and a cytoplasmic tail differing from those of the classical cadherins. Although its specific function is undetermined, the cadherin-related neuronal receptor is thought to play a role in the establishment and function of specific cell-cell connections in the brain. [provided by RefSeq, Jul 2008]