

## Product datasheet for **SC337190**

### PCDH1 (NM\_001278615) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | PCDH1 (NM_001278615) Human Untagged Clone |
| Tag:                      | Tag Free                                  |
| Symbol:                   | PCDH1                                     |
| Synonyms:                 | PC42; PCDH42                              |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-Entry (PS100001)                    |
| E. coli Selection:        | Kanamycin (25 ug/mL)                      |



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001278615, the custom clone sequence may differ by one or more nucleotides

```

ATGAATGACAATGCCCCACCATTGAGATCCGGGGCATAGGGCTAGTGACTCATCAAGATGGGATGGCTA
ACATCTCAGAGGATGTGGCAGAGGAGACAGCTGTGGCCCTGGTGCAGGTGTCTGACCGAGATGAGGGAGA
GAATGCAGCTGTACCTGTGTGGTGGCAGGTGATGTGCCCTTCCAGCTGCGCCAGGCCAGTGAGACAGGC
AGTGACAGCAAGAAGAAGTATTTCTGCAGACTACCACCCCGCTAGACTACGAGAAGGTCAAAGACTACA
CCATTGAGATTGTGGCTGTGGACTCTGGCAACCCCCCACTCTCCAGCACTAACTCCCTCAAGGTGCAGGT
GGTGGACGTCAATGACAACGCACCTGTCTTCACTCAGAGTGTCACTGAGGTGCGCTTCCCGGAAAACAAC
AAGCCTGGTGAAGTATTGCTGAGATCACTGCCAGTGTGCTGACTCTGGCTCTAATGCTGAGCTGGTTT
ACTCTCTGGAGCCTGAGCCGGCTGCTAAGGGCCTCTTACCATCTCACCCGAGACTGGAGAGATCCAGGT
GAAGACATCTCTGGATCGGGAACAGCGGGAGAGCTATGAGTTGAAGGTGGTGGCAGCTGACCGGGGAGT
CCTAGCCTCCAGGACACGCCACTGTCTTGTCAATGTGCTGGACTGCAATGACAATGACCCCAAATTTA
TGCTGAGTGGCTACAACCTCTCAGTGATGGAGAACATGCCAGCACTGAGTCCAGTGGGCATGGTGTACTGT
CATTGATGGAGACAAGGGGGAGAATGCCAGGTGCAGCTCTCAGTGGAGCAGGACAACGGTGACTTTGTT
ATCCAGAATGGCACAGGCACCATCCTATCCAGCCTGAGCTTTGATCGAGAGCAACAAGCACCTACACCT
TCCAGCTGAAGGCAGTGGATGGTGGCGTCCCACCTCGCTCAGCTTACGTTGGTGTACCATCAATGTGCT
GGACGAGAATGACAACGCACCCTATATCACTGCCCTTCTAACACCTCTCACAAGCTGCTGACCCCCAG
ACACGCTTTGGTGGAGACGGTCCAGCCAGGTGGCAGCCGAGGACTTTGACTCTGGTGTCAATGCTGAGCTGA
TCTACAGCATTGCAGGTGGCAACCCTTATGGACTCTTCCAGATTGGGTACATTCAGGTGCCATCACCT
GGAGAAGGAGATTGAGCGGCCACCATGGGCTACACCCGCTGGTGGTGAAGGTGAGTACCCGCGGCAAG
CCCCACGCTATGGCACAGCCTTGGTCCATCTTTATGTCAATGAGACTCTGGCCAACCCGACGCTGCTGG
AGACCTCTGGGCCACAGCCTGGACACGCGCTGGATATTGACATTGCTGGGGATCCAGAATATGAGCG
CTCCAAGCAGCGTGGCAACATTCTTTGGTGTGGTGGTGGTGTGGTGGCCGTGGCCTTCTCATTGCGC
CTGGCGGTTCTTGTGCGCTACTGCAGACAGCGGGAGGCCAAAAGTGGTTACCAGGCTGGTAAAGAGAGA
CCAAGGACCTGTATGCCCAAGCCAGTGGCAAGGCCTCAAGGGAAACAAAAGCAAAGGCAAGAAGAG
CAAGTCCCAAGCCCGTGAAGCCAGTGGAGGACGAGGATGAGGCCGGGCTGCAGAAGTCCCTCAAGTTC
AACCTGATGAGCGATGCCCTGGGGACAGTCCCCGCATCCACCTGCCCTCAACTACCCACCAGGCAGCC
CTGACCTGGGCCGCCACTATCGCTCTAACTCCCCACTGCCTTCCATCCAGCTGCAGCCCCAGTCAACCTC
AGCCTCCAAGAAGCACCAGGTGGTACAGGACCTGCCACCTGCAAACACATTTCGTGGGCACCGGGGACACC
ACGTCCACGGGCTCTGAGCAGTACTCCGACTACAGCTACCGCACCAACCCCCCAATACCCAGCAAGC
AGGTAGGCCAGCCCTTTCAGCTCAGCACACCCAGCCCTACCCACCCCTACCACGGAGCCATCTGGAC
CGAGGTGTGGGAGTGA
    
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001278615

**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).

|                               |  |
|-------------------------------|--|
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>  |
| <b>RefSeq:</b>                | <u>NM_001278615.1, NP_001265544.1</u>  |
| <b>RefSeq Size:</b>           | 2925 bp  |
| <b>RefSeq ORF:</b>            | 2046 bp  |
| <b>Locus ID:</b>              | 5097   |
| <b>UniProt ID:</b>            | <u>Q08174</u>  |
| <b>Cytogenetics:</b>          | 5q31.3   |
| <b>Protein Families:</b>      | Transcription Factors, Transmembrane   |
| <b>Gene Summary:</b>          | <p>This gene belongs to the protocadherin subfamily within the cadherin superfamily. The encoded protein is a membrane protein found at cell-cell boundaries. It is involved in neural cell adhesion, suggesting a possible role in neuronal development. The protein includes an extracellular region, containing 7 cadherin-like domains, a transmembrane region and a C-terminal cytoplasmic region. Cells expressing the protein showed cell aggregation activity. Alternative splicing occurs in this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (4) lacks two 5' and 3' exons, respectively. It has an alternate 5' exon and its transcription extends past a splice site that is used in variant 2, resulting in a novel 3' coding region and 3' UTR compared to variant 2. It encodes isoform 4 which has a shorter N-terminus and a shorter and distinct C-terminus, compared to isoform 2.</p> |