

Product datasheet for **SC315141**

PCDH7 (NM_032456) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCDH7 (NM_032456) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCDH7
Synonyms:	BH-Pcdh; BHPCDH; PPP1R120
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032456, the custom clone sequence may differ by one or more nucleotides

```

ATGCTGAGGATGCGGACCGGGATGGGCGCGGCTGGTGCTTGGGCTGCTGCCTCCTC
CTGCCGCTCTCGCTCAGCCTGGCGGCCCAAGCAGCTCCTCCGGTACCGGCTGGCCGAG
GAGGGCCCGCCGACGTCCGCATCGGCAACGTGGCTTACAGCCTGGGCATCGTGACCGGA
TCGGGTGAGGTGACTTTACGCTGGAGTCCGGTCCGAGTACCTGAAGATCGACAACCTC
ACTGGCGAGCTGAGCACGAGCGAGCGGCGCATCGACCGGAGAAGCTGCCCAAGTGTGAG
ATGATCTTCGACGAGAACGAGTGTCTTCTGGACTTCGAGGTGTCGGTGATCGGGCCCTCG
CAGAGCTGGGTGGACCTGTTTGGGGTCAAGTTCATCGTGTGACATCAACGACAACACG
CCCACCTTCCCGTCGCCGTGCTCACGCTCACGGTGGAGGAGAATCGGCCGGTGGGCACA
CTTTACCTGCTGCCACAGCCACCGACCGGACTTCGGCCGCAACGGCATCGAGCGCTAC
GAGCTGTCCAGGAGCCCGAGGCGGCGGAGCGGCGGAGAGCCGGCGCGCCGGGGCGG
GCCGACAGCGCCCTACCCCGGGGGCGGCGGGAACGGCGCGAGCGGCGGCGGCTCGGGA
GGCTCCAAGCGGCGGCTGGACGCATCAGAGGGCGGCGGCGGCAACCCCGGCGGCGCGC
AGCAGCGTGTTCGAGTGCAGGTGGCGGACACCCCGGACGGCGAGAAGCAGCCGAGCTG
ATCGTGAAGGGGGCGCTGACCGCGAGCAGCGGACTCCTACGAGCTGACCCTGCGAGTG
CGCGACGGCGGCGACCCGCTCGTCTCGCAGGCCATCCTACGGGTCTCATCACCGAC
GTGAACGACAACAGCCCCGCTTCGAGAAGAGCGTGTACGAGGCCGACTTGGCTGAGAAC
AGCGCCCCGGGGACCCCATCCTGCAACTGCGCGCAGCCGACTTGGACGTGGGGTCAAC
GGGAGATCGAATACGTGTTCCGGGCGGCCACCGAGTCGGTGAGGCGGCTGCTGCGCCTT
GACGAGACGTCCGGTGGCTCAGCGTCTGACCCGGATCGACCGGAGGAGGTGAACCAG
CTGCGCTTACGGTATGGCCCGGACCGCGGCGACCCCCCAAGACCGACAAGGCCACC
GTGGTCTTAACATCAAAGACGAGAACGACAACGTGCCGTCCATTGAAATCCGCAAGATT
GGGCGCATCCCCCTCAAGGACGGGGTGGCAACGTGGCCGAGGACGTTCTGGTGCACACC
CCCATCGTCTGGTGCAGGTGTCCGACCGAGACCAAGGCGAGAACGGGGTGGTCACTGC
ACCGTGGTGGGCGACGTGCCCTTCCAGCTCAAGCCAGCCAGCGACACCGAGGGCGACAG
AACAAAGAAAAAGTACTTCTTGACACCTCGACCCCTCTGGACTATGAGGCCACCCGGGAG
TTCAACGTGGTCAATCGTGGCGGTGGACTCAGGCAGCCCCAGCCTCTCGAGCAACAACCTC
CTGATTGTCAAGGTGGGAGACACCAACGACAACCCGCCATGTTCCGGCCAGTCGGTGGTG
GAGGTTTACTTCCCTGAGAACACATCCCGGGCGAGAGGGTGGCCACGGTGTGGCGACA
GACGCAGACAGCGGTAAGAACGCCGAGATCGCCTACTCGTGGACTCCTCTGTGATGGGG

```



[View online »](#)

ATCTTTGCCATCGATCCCGATTCTGGGGACATCCTGGTCAATACCGTGCTGGACCGCGAG
 CAGACTGACAGGTATGAGTTTAAAGTTAACGCCAAAGACAAAGGCATCCCCGTGCTGCAG
 GGCAGCACTACGGTGATTGTGCAGGTGGCTGATAAAAAATGACAATGACCCTAAGTTTATG
 CAGGACGTCTTACCTTTTATGTGAAAGAAAACCTGCAGCCCAACAGCCCTGTGGGGATG
 GTCACCGTGATGGATGCTGACAAGGGGCGGAATGCAGAGATGAGCCTGTACATAGAGGAG
 AACATAACATTTTTTCTATTGAAAATGACACGGGGACCATTTACTCCACAATGTCTTTT
 GACCGGGAACATCAGACCACATACACTTTCAGAGTCAAGGCTGTGGATGGGGGAGATCCT
 CCCAGATCTGCCACAGCTACAGTCTCGCTTTTGTGATGGATGAAAATGACAATGCTCCC
 ACAGTTACCCTTCCCAAAAACATTTCTACACTTTACTGCCACCTTCGAGTAATGTCAGG
 ACAGTAGTAGCTACAGTGTGGCAACAGACAGTGTGATGGCATCAATGCAGACCTGAAC
 TACAGCATTGTGGGAGGAAATCCCTTCAAGCTGTTTAAATTGATCCCACTAGTGGTGTG
 GTTTCCTTAGTGGGAAAACCTCACCCAAAAGCATTATGGCTTGCACAGGTTGGTGGTGCA
 GTGAATGACAGTGGGCAGCCTTCCAGTCCACCAGACTCTGGTGCACGTGTTTGTCAAT
 GAAAGTGTTCATGCAACTGCGATTGACTCCCAGATAGCTAGAAGTTTGCACATCCCA
 CTCACCCAGGATATAGCTGGTGACCCAAGCTATGAAATTAGCAAACAGAGACTCAGTATT
 GTCATTGGCGTGGTTGCTGGCATTATGACGGTGATTCTAATCATCTTAATTGTAGTGATG
 GCAAGGTACTGCAGGTCCAAAAATAAAAATGGCTATGAAGCCGGCAAAAAGATCACGAA
 GACTTTTTTACACCCCAACAGCATGACAAATCTAAAAAGCCTAAAAAGGCAAGAAAAAC
 AAAAAATCTAAGCAGCCTCTCTACAGCAGCATTGTCACTGTGGAGGCTTCTAAGCCAAAT
 GGACAGAGGTATGATAGTGTCAATGAGAAGCTGTGACAGACGCCAAGCATGGGGCGATAC
 AGGTCCGTTAATGGTGGGCCCGGAGTCTGACCTGGCAAGGCATTACAAATCTAGTTCC
 CCATTGCCTACTGTTTCACTTTCATCCCCAGTACCAACTGCAGGAAAAAACACCCAGGCC
 GTACAAGATCTACCACCAGCCAAACATTTGTGGGAGCAGGAGACAACATTTCAATTGGA
 TCAGATCACTGCTGTGATACAGCTGTCAAACCAATAACCAAGTACAGCAACAGGTAAGA
 TGTATCCCAAATATATTTAAATATCCAGGGAGGGC

- Restriction Sites:** Please inquire
- ACCN:** NM_032456
- 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:**
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_032456.1](#), [NP_115832.1](#)
- RefSeq Size:** 4921 bp

RefSeq ORF: 3219 bp

Locus ID: 5099

UniProt ID: [O60245](#)

Cytogenetics: 4p15.1

Domains: CA

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The gene encodes a protein with an extracellular domain containing 7 cadherin repeats. The gene product is an integral membrane protein that is thought to function in cell-cell recognition and adhesion. Alternative splicing yields isoforms with unique cytoplasmic tails. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (b) is intronless, compared to variant d. The resulting isoform (b) has a shorter and distinct C-terminus, compared to isoform d. 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.