

Product datasheet for SC329321

PCDH7 (NM_001173523) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCDH7 (NM_001173523) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCDH7
Synonyms:	BH-Pcdh; BHPCDH; PPP1R120
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC329321 representing NM_001173523. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGAGGATGCGGACCGGGATGGCGCGCGGCTGGTGTGGGCTGCTGCCTCCTCCTGCCGCTC
TCGCTCAGCCTGGCGCCGCCAAGCAGCTCCTCCGGTACCGGCTGGCCGAGGAGGGCCCCGCCGACGTC
CGCATCGGCAACGTGGCTTCAGACCTGGGCATCGTGACCGGATCGGGTGAGGTGACTTTCAGCCTGGAG
TCCGGTCCGAGTACCTGAAGATCGACAACCTCACTGGCAGCTGAGCACGAGCGAGCGGCATCGAC
CGCGAGAAGCTGCCCCAGTGTGAGATGATCTTCGACGAGAACGAGTGCTTCTGGACTTCGAGGTGTG
GTGATCGGGCCCTCGCAGAGCTGGGTGGACCTGTTTGGGGTTCAGGTCATCGTGTGACATCAACGAC
AACACGCCACCTTCCCGTCGCCCGTGCTCACGCTCACGGTGGAGGAGAAATCGGCCGGTGGGCACACTT
TACCTGCTGCCACAGCCACCGACCGCGACTTCGGCCGCAACGGCATCGAGCGCTACGAGCTGCTCCAG
GAGCCCGGAGGCGGCGGAGCGGCGGAGAGCCGGCGCGCCGGGGCGGCCGACAGCGCCCCCTACCCC
GGGGGCGGCGGAACGGCGGAGCGGCGGCGGCTCGGGAGGCTCCAAGCGGCGGCTGGACGCATCAGAG
GGCGGCGGCGCACCAACCCCGGCGGCGCAGCAGCGTGTTCGAGCTGCAGGTGGCGGACACCCCGAC
GGCGAGAAGCAGCCGAGCTGATCGTGAAGGGGCGCTGGACCGGAGCAGCGGACTCCTACGAGCTG
ACCCTGCGAGTGCAGCGGCGGCGGCGGCGGCTCGCTCCTCGCAGGCCATCCTACGGTCCCTCATACC
GACGTGAACGACAACAGCCCCGCTTCGAGAAGAGCGTGTACGAGGCCGACTTGGCTGAGAAGCGGCC
CCGGGGACCCCATCCTGCAACTGCGCGCAGCCGACTTGACGTTGGGGTCAACGGGCAGATCGAATAC
GTGTTCCGGGCGGCCACCGAGTCGGTGAGGCGGCTGCTGCGCCTTGACGAGACGTCGGGTGGCTCAGC
GTCCTGCACCGGATCGACCGGAGGAGGTGAACAGCTGCGCTTACGGTTCATGGCCCGCAGCCGCGG
CAGCCCCCAAGACCGACAAGGCCACCGTGGTCTTAACATCAAAGACGAGAACGACAACGTGCCGTCC
ATTGAAATCCGCAAGATTGGGCGCATCCCCCTCAAGGACGGGTGGCCAACGTGGCCGAGGACGTTCTG
GTCGACACCCCATCGCTCTGGTGCAGGTGTCCGACCGAGACCAAGGCGAGAACGGGTGGTCCACCTGC
ACCGTGGTGGGCGACGTGCCCTCCAGCTCAAGCCAGCCAGCGACACCGAGGCGACAGAAACAAGAAA
AAGTACTTCTTGACACCTCGACCCCTCTGGACTATGAGGCCACCGGGAGTTCAACGTGGTTCATCGT
```



[View online »](#)

GCGGTGGACTCAGGCAGCCCCAGCCTCTCGAGCAACAACCTCCCTGATTGTCAAGGTGGGAGACACCAAC
 GACAACCCGCCCATGTTTCGGCCAGTCGGTGGTGGAGGTTTACTTCCCTGAGAACAACATCCCGGGCGAG
 AGGGTGGCCACGGTGTGGCGACAGACGACAGCGGTAAGAACGCCGAGATCGCTACTCGTGGAC
 TCCTCTGTGATGGGGATCTTGGCCATCGATCCCGATTCTGGGGACATCCTGGTCAATACCGTGTGGAC
 CGCGAGCAGACTGACAGGTATGAGTTTAAAGTTAACGCCAAAGACAAAGGCATCCCGTGTGCAGGGC
 AGCACTACGGTGTGTCAGGTGGCTGATAAAAAATGACAATGACCCTAAGTTTATGCAGGACGTCTTC
 ACCTTTTATGTGAAAGAAAACCTGCAGCCCAACAGCCCTGTGGGGATGGTCAACCGTGTGGATGCTGAC
 AAGGGGCGGAATGCAGAGATGAGCCTGTACATAGAGGAGAACAATAACATTTTTTCTATTGAAAATGAC
 ACGGGGACCATTTACTCCACAATGTCTTTTACCGGGAACATCAGACCACATACACTTTTACAGTCAAG
 GCTGTGGATGGGGGAGATCCTCCAGATCTGCCACAGCTACAGTCTCGTTTTTGTGATGGATGAAAAT
 GACAATGCTCCACAGTTACCCTTCCAAAAACATTTCTACACTTTACTGCCACCTTCGAGTAATGTC
 AGGACAGTAGTACAGTGTGGCAACAGACAGTGTGATGGCATCAATGCAGACCTGAACTACAGC
 ATTGTGGGAGGAAATCCCTTCAAGCTGTTGAAATGATCCCACTAGTGGTGTGGTTTCTTAGTGGGA
 AAACACCCAAAAGCATTATGGCTTGACAGGTTGGTGGTGAAGTGAATGACAGTGGGACGCCTTCC
 CAGTCCACCACGACTCTGGTGCAGTGTGTGCAATGAAAGTGTCTAATGCAACTGCGATTGACTCC
 CAGATAGCTAGAAGTTTGACATCCCACTACCCAGGATATAGCTGGTGACCCAAGCTATGAAATAGC
 AAACAGAGACTCAGTATTGTCATTGGCGTGGTTGCTGGCATTATGACGGTATTCTAATCATCTTAATT
 GTAGTGTGGCAAGGTAAGTGCAGGTCAAAAATAAAAAATGGCTATGAAGCCGGCAAAAAAGATCACGAA
 GACTTTTTTACACCCCAACAGCATGACAAATCTAAAAAGCCTAAAAAGGACAAGAAAAACAAAAATCT
 AAGCAGCCTCTCTACAGCAGCATTGCTACTGTGGAGGCTTCTAAGCCAAATGGACAGAGGTATGATAGT
 GTCAATGAGAAGTGTGACAGAGCCCAAGCATGGGGCGATACAGGTCCGTTAATGGTGGGCCCGGAGT
 CCTGACCTGGCAAGGCATTACAAATCTAGTTCCCACTTGCCTACTGTTTCAAGTTCATCCCAAGTACCA
 ACTGCAGGAAAAAACACCAGGCCGTACAAGTCTACCACAGCCAAACACATTTGTGGGAGCAGGAGAC
 AACATTTCAATTGGATCAGATCACTGCTCTGAGTACAGCTGTCAAACCAATAACAAGTACAGCAACAG
 CCATTTCTGATAGTGTGACGTTTTCTGTTGTGAGTACGCTCAGGACCCACATCAGGGTCACTGCAGAGT
 TGCTATGACAGCGGGCTGGAGGAGTCAAAAACCAAGCAGTAAGAGTTCATCAGGGCAAGACTGGGT
 GCGCTTCCACTCCAGAGGACAATATGAAAGGACCACGCCGGATGGCAGTGTGGTGGGAGGAGCAGCAT
 ATGGAAATGATTCAAGGCCTTCCAGATGTAGCCCTGACTGGGAAGTGCCTCGTGTGATGATGAG
 TATGGCCACTCAGACTCTGCTGGATGCCGGTCCGCACTTCTCCGAGAGGAAGAAGAGCCAGCCTAAA
 CTGTCCACTTTCATGCCTGTTGATGAACGAGGAAGCCAGGAAAAGCTGGCCAATGGGAGGCCGCCATC
 ATGGGTGACCGCAACAGAAACCTCTGAACAAAAAGTTGACCTCATCCTATGAGACCTTCAGTGCAGCT
 AGTTTCAGCAAAAATGAGGAAGCCAACCTGAGGATATCCCTTACAAAAACAGGGGAATAAAGCCA
 TCTCTGTCAATACTCTCACTAGAAGAGAAGTTTACCTGTAG
 ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001173523
- Insert Size:** 3768 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:** 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_001173523.1](#)

RefSeq Size: 8728 bp

RefSeq ORF: 3768 bp

Locus ID: 5099

Cytogenetics: 4p15.1

Protein Families: Druggable Genome, Transmembrane

MW: 136.6 kDa

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 (d) represents the longest transcript and encodes the longest 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 transcript alignments.