

Product datasheet for **SC323900**

PCDH17 (NM_001040429) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCDH17 (NM_001040429) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCDH17
Synonyms:	PCDH68; PCH68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001040429.2
TCCTGCCCCACCTTACAGGTCTGGGATGTACCTTTCCATCTGTTGCTGCTTTCTTCTAT
GGCCCCCTGCCCTCACTCTCAAGAACCTCAACTACTCCGTGCCGGAGGAGCAAGGGGCCG
GCACGGTGATCGGGAACATCGGCAGGGATGCTCGACTGCAGCCTGGCTTCCGCCTGCAG
AGCGCGGCGGAGGGCGCAGCAAGTCGGGTAGCTACCGGGTGTGGAGAACTCCGCAC
CGCACCTGCTGGACGTGGACGCAGACAGCGGGCTCCTCTACACCAAGCAGCGCATCGACC
GCGAGTCCCTGTGCCCCACAATGCCAAGTGCCAGCTGTCCCTCGAGGTGTTCCGCAACG
ACAAGGAGATCTGCATGATCAAGGTAGAGATCCAGGACATCAACGACAACGCGCCCTCCT
TCTCCTCGGACCAGATCGAAATGGACATCTCGGAGAACGCTGCTCCGGGCACCCGCTTCC
CCCTCACCAGCGACATGACCCCGACGCCGCGAGAATGGGCTCCGCACCTACCTGCTCA
CGCGCGACGATCACGGCCTCTTTGGACTGGACGTTAAGTCCCAGCGGACGGCACCAAGT
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TCAACTCCACCAAGTCGTTCCGATCAAGATTCTAGACGAGAACGACAACCCGCCTCGGT
TCACCAAAGGGCTCTACGTGCTTACGGTGCACGAGAACAACATCCCGGGAGAGTACCTGG
GCTCTGTGCTCGCCAGGATCCCGACCTGGGCCAGAACGGCACCGTATCCTACTCTATCC



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TGCCCTCGCACATCGGGACGTGTCTATCTACACCTATGTGTCTGTGAATCCCACGAACG
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TGTCTCTTCTGTTGATTTAAAAATGATCCCTCCTGGTATAACCCATTTTACAGGGATGA
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TTAGGACAGAATTAATGATGCTTAAAGAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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- Restriction Sites:** ECoRI-NOT
- ACCN:** NM_001040429
- 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_001040429.2](#), [NP_001035519.1](#)

RefSeq Size: 8009 bp

RefSeq ORF: 3480 bp

Locus ID: 27253

UniProt ID: [O14917](#)

Cytogenetics: 13q21.1

Protein Families: Druggable Genome

Gene Summary: This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The encoded protein contains six extracellular cadherin domains, a transmembrane domain, and a cytoplasmic tail differing from those of the classical cadherins. The encoded protein may play a role in the establishment and function of specific cell-cell connections in the brain. [provided by RefSeq, Jul 2008]