

Product datasheet for **SC102281**

PCDH18 (NM_019035) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCDH18 (NM_019035) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCDH18
Synonyms:	PCDH68L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>SC102281 representing NM_019035. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCGGCCGCGAATTCGGCACCAGCACGGGTGTTAGTCTGCAGCCGAGCAGCTAAAGGGAGAAAGAATCG
CTCAGGAAAGACACACTGCAGACTCCACCGGCACCCTGCAATAGATGGATTCCGACTACACAAGGGAGA
AAACGCGGAGGTGACACTCTCTGCCTGGAAAGAGGACGAACGACCAACAAACGCAAGGACTGGACTC
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TAATAATGCCACACTGGATAGAGAAAAGAGATCTGAGTATAGTTTGAAGTGTATCGCTGAGGACAGGG
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AGTGAAAATAAAAGAAAATTAAGTAAAGCTAAAAAAAAAAAAAAAAAAAAAAAAAACTCGACTC
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_019035 unedited
 NGGGTCAAAAATAGTATACGACTCATATAGGCGGCNCGCAATCGGCACCAGCACGGGTG
 TTTAGTCTGCAGCCGAGCAGCTAAAGGGAGAAAGAATCGCTCAGGAAAGACACACTGCAG
 ACTCCACCGGCACCCTGCAATAGATGGATTCCGACTACACAAGGGAGAAAACGCGGAGGT
 GACACTCTCCTGCCTGGAAGAGGACGAACGACCAACAAACGCAAGGACTGGACTCCAT
 GCCGAAGGTATCTGGAAGTCGTGACACGGTGTGTATAAAACAAAAGTTTGCGAGCTGTTA
 ATTGCTGTGCTGTGTTATTAAGAGACGCTTTCAAGTTTCAAGTACCAATGTAGCTTTAC
 GTTGCCAAAGGAAGTTGAGGCAATTGCTTTGCTGTTTTAACTTGCTCTGTGAGGGAAATC
 TCATAAAGTACCAATGCACCAATGAATGCTAAAATGCACTTTAGGTTTGTGTTTGCAC
 TTCTGATAGTATCTTTCAACCACGATGACTGGGCAAGAATTTGAAATACAGGATTTATG
 AGGAACAGAGGGTTGGATCAGTAATTGCAAGACTATCAGAGGATGTGGCTGATGTTTTAT
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 AACTGTGCCAGAAAACTTGAAGTGTTCATAGAGTTTGATGTGATCACTCTACCCACAG
 AGCATCTGCAGCTNTTCCATATTGAAGTTGAAGTCTGGATATTAATGACAATTCTCCCC
 AGTTTTCAAGATCTCTCATACCTATTGAGATATCTGAGAGTGCAGCAGTTGGGACTCGCA
 TTCCTGGACGTGCANTTGATC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_019035 unedited
 CATTTGTGCTGCGGCCGAATCTACACNCGGCTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTAGCTTTACTTTAATTTTCTTTTATTTTCACTGACAGAAAAATTTCTGGAGAG
 TACAATCACGATAGTGATTATTAGAAATAACATTAATAGAAGCTTGGTCAGAAATGATA
 ATAGTCATAATAAGCATTTTTTACCAGGGCATTCCACACAGAGAGATCACAGCCCAAT
 AAATAAGGGATTCTCATTGCTCACAACAAATAAAACAATTGCCGTAACAAAAATATG
 ATTTTATAAATGTTCTTATACTAAAAATAAAAGCCAAATATGAGATCATGCACTGGAGA
 CAAAAGCTAAAAATGAATAGTTATCACAAGAAGGACAATATTCAAAAGATTAAATGT
 TCAAGTATTGTGAGAGGAAAGGGGAGATTCCAATAGAATGGGTTGAGAAATAGTCAATT
 ATATTTACTACCTTAGGAGAGACACTGACACACCTGTTTTTATCCAGTAATATTTTATGC
 CATTAGAACACATACTGTATCCATTTAAAGGACAGATTCCATTTCTTGGAGCATGTTT
 CATACTCCACGGATGGAACAAAATTTATTGTTTACCATAATTATAAGTAGATAATAATAT
 TGTGAGAGAAATATTTCCGGAACAGGCCAGTGTGATGGCCTGGAAAAAAGGGCCTGGG
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 AAGTTATTTAATAAAAAAACTTTCCGAATATTCTTAGTCCTGAAAAAACCATTCATTTA
 ATCTTCCAATTTTCTATAAGAGTCCAATATTGGNGGCTTGCCACACGTCCGCAATA
 CCACTACAACAGTCTACCATTTTGGAGATTCTAATTTCTCAAAAG

Restriction Sites:

NotI-NotI

ACCN:

NM_019035

Insert Size:

5189 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_019035.2</u>
RefSeq Size:	5156 bp
RefSeq ORF:	5189 bp
Locus ID:	54510
UniProt ID:	<u>Q9HCL0</u>
Cytogenetics:	4q28.3
Domains:	CA
Protein Families:	Druggable Genome, Transmembrane
MW:	200.3 kDa
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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).