

Product datasheet for **SC109559**

PCDH8 (NM_002590) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCDH8 (NM_002590) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCDH8
Synonyms:	ARCADLIN; PAPC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_002590, the custom clone sequence may differ by one or more nucleotides

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ATGAGTCTGTGAGGCGTTGGGGCAGCCCTGCCTTTTCCCTTGCAGCTCTTCAGCCTCTGCTGGGTGC
TCTCAGTGGCCCAGAGCAAAACAGTCCGATACAGCACCTTCGAGGAGGATGCCCCCGGCACGGTCATCGG
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CTCTACCAGTCCCTCCTGGCAGGTACCTGTCCCCGAAGAAGGGAGCCAATGAAAATGTGTAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002590 unedited
 AGCATATTTGTATACGACTCACTATAGGGCGGCNCGCAATTCGCACGAGGGCAGAGTGA
 GGGCGGGTCCGCGCGTCTCAGAGCCCGCTGGAGGCTCGGAGCTGCTACCCGACAGCTTC
 TCCCGCACAGGGCTCGCAAAGAGCGTGATTCCGAGAGCCTGAGACTGACGCCCGACTGG
 AAACCAGAGAAGACTTCCTTAGCCTTTCCGATCGCACTTGAGGCTGGAGGCATGAGTCTC
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 CTCTCAGTGGCCAGAGCAAAACAGTCCGATACAGCACCTTCGAGGAGGATGCCCCGGC
 ACGGTCATCGGGACCCTGGCCGAGGACCTGCATATGAAAGTATCGGGTGACACAAGCTTC
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 GTGGGCGCAACGGGCTGCAGACCGTGCCTGGCCGAGCCGACAGCCCTTTCGCGTG
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 GACCGCGAGAGCCAGGCCGCTACAGCTGGNAGCTGGTGGCCAGGACGNGNCGNCCC
 GCCGCGCTCGCCACGGTGCCTAGGNTGCGCGNCTGGAAGCGATGACACAGCCGGCTTT
 CGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002590 unedited
 GTCTCTGNNACCGCGCCGAATCTANGATCGAGTTTTTTTTTTTTTTTTTTTCAAACAC
 ATGACAAATCTTTTATTACTGTGCTTATAAGTGACACGGTTTACGGAAAACCAAATGTAA
 TTAATAACATTGAACCTGAAATCTACCACAGAGTCAAGATATACAAGTTATACTGGCA
 AGGCAAAATTTCTCAAACACTAGGTTGTTTCAGGTGAAAGATAAAATTTCAATTAAGTAAT
 TCCAACATGTTTTGTTTTGTCTTACAGACAGTTCCTTTGGCAATAACTCCACTTTAG
 CTTTTATTATATAAAAATATAACAAAATTTCAATATATACAAACATTACATTACACAATG
 TACAGGTTAAAAACACTAAGAAAATGGCAAGCCGAATTGAAATCAAAGTCAATAGCATA
 AGAAAAATTAATACTGCACACATTTTATAAAAAATTAACATTAACATTTTTGTTTGA
 AATACCAAACAGTACCAATGTGATTGAAATAGCTTCCAACAACCTCATTGTAAGGCACA
 TCTTGCATATTTATATATAACAACACTGAAACCGGTCAATAACTTAGGGCTTCTCGGAGT
 GACCTGTATATGTGTGAAGACATGCAGCATGGGATTACACATTTTATTGGCTCCCTTCT
 TCGGGGACAGGTACCTGCCAGGAGGGGACTGGTAGAGGGTACTCCAATCTCCTGCAGGT
 CTGGGAGCTCCCTGGACGGGGAGGGGAGGCANAGTACTGGCCTGTCATAGCCTCTGG
 GCAGTACTTTCTCATAGACGCTCTGCACCCCACTGGCTTGGGCAGCTGGGCCCTGGTAA
 TAATTGCTCCTGCGCAGAAGATCCCGAGCCAGTACGCTGCTTACCGAGGGTGAATCTG
 GCCTGGGGGTGAGCCATGATATGCTCCTGGCCCCCTTCAGATGCCTCCACCACGGCCAA
 ATGGCCCAAAT

Restriction Sites:

NotI-NotI

ACCN:

NM_002590

Insert Size:

3990 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.

RefSeq: [NM_002590.2](#), [NP_002581.2](#)

RefSeq Size: 4076 bp

RefSeq ORF: 3213 bp

Locus ID: 5100

UniProt ID: [O95206](#)

Cytogenetics: 13q14.3

Domains: CA

Protein Families: Transmembrane

Gene Summary: This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The gene encodes an integral membrane protein that is thought to function in cell adhesion in a CNS-specific manner. Unlike classical cadherins, which are generally encoded by 15-17 exons, this gene includes only 3 exons. Notable is the large first exon encoding the extracellular region, including 6 cadherin domains and a transmembrane region. Alternative splicing yields isoforms with unique cytoplasmic tails. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) encodes the longer isoform (1).