

Product datasheet for **SC308209**

PCDH9 (NM_203487) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCDH9 (NM_203487) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCDH9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308209 representing NM_203487 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCTGAGGGATTTTACCTGTTGGCTGCTCTGATTGCCTGTTTAAAGCTGGATTCCGCAATAGCTC
AAGAACTATTTACACTATTAGAGAGGAATTGCCTGAAAATGTGCCCATAGGAAACATACCAAAGGATCT
GAACATTTCTCACATCAATGCTGCCACAGGGACCAGCGCCAGCCTTGCTACAGACTGGTTTCTAAAGCT
GGGGATGCCCTTTGGTAAAAGTATCCAGCAGCACTGGGAAAATTTTACAACCTCCAACAGAATAGACA
GAGAAAAACTCTGTGCTGGCGCCTCATATGCTGAGGAGAATGAGTGTTCCTTTGAACCTTGAGGTGGTGT
CCTCCCAATGATTTTCTCAGGCTGATCAAAAATAAAAATAATTGTCAAGGATACCAATGATAATGCCCC
ATGTTTCCATCTCCTGTCAATATTTCCATTCCAGAAAACTTTGATCAACAGCCGCTTTCCAATTC
CATCAGCAACAGATCCTGACACAGGCTTCAATGGTGTACAGCATTATGAATTGTTAAATGGGCAGAGTGT
TTTTGGACTGGATATCGTGGAACTCCAGAGGGAGAGAAGTGGCCACAACCTGATTGTTCCAGAAAACCTG
GATAGAGAACAGAAAGATACCTATGTGATGAAAATCAAAGTAGAGGATGGAGGCACTCCACAGAAATCCA
GTACGGCCATACTGCAGGTCACAGTAAGTGTAAATGACAACAGGCCAGTGTAAAGAGGGTCAAGT
GGAGGTGCATATCCAGAGAATGCTCCCGTAGGTACCTCTGTAATTCAGCTCCATGCCACTGATGCAGAT
ATAGGCAGTAATGCTGAAATCCGGTACATTTTTGGTGCCAGGTGCGCCCTGCAACCAAAAGACTCTTTG
CTTTAAATAATACTACTGGGCTGATTACAGTTCAGAGGTCCTTAGATAGAGAGGAGACAGCCATTACAA
AGTGACAGTGCTGGCTAGTGACGGCAGCTCCACTCCTGCTCGAGCAACGGTTACCATCAATGTCACCGAT
GTAATGATAACCTCCTAATATAGACCTCAGGTACATTATAAGTCCCATCAATGGCACCGTGTATTTAT
CTGAGAAAGATCCTGTCAATACAAAGATTGCCCTAATTACAGTTTCAGATAAGGACACAGATGTGAATGG
CAAAGTGATCTGTTTTATTGAAAGAGAGGTCCCATTTCAATTTGAAAGCGGTATATGACAACCAATATTTG
TTAGAGACCTCTCTTTGTTGGACTATGAGGGCACAAAGAATTCAGCTTTAAAATGTTGCCTCTGATT
CTGGGAAGCCAGTTTAAATCAGACTGCCCTGGTAAGGGTTAAGCTTGAGGATGAAAATGACAACCCACC
AATTTTCAACCAGCCTGTAATTGAGCTGTCAAGTTTCTGAAAACAACCCAGCTGGGTATACTTAACAAT
ATTAGTGCCACAGATGAAGACAGTGGGAAAAATGCAGACATTGTTATCAGCTTGACCCGAATGCCCTCT
TCTTTGATCTGGACCGAAAAACAGGAGTTTTGACAGCCTCCAGAGTATTTGACAGAGAAGAACAAGAACG



[View online »](#)

ATTCATTTTTACAGTAACTGCCAGGGACAATGGGACCCCTCCCCTCCAAAGCCAAGCGGCTGTGATTGTT
 ACTGTTCTGGATGAGAATGACAATAGCCCCAAGTTTACTCATAATCATTTTTCAATTTTTTGTGTCTGAGA
 ATCTGCCAAAGTATAGTACTGTGGGGTAAATCACAGTGACAGATGCAGATGCTGGAGAGAATAAAGCTGT
 GACTCTTTCCATTCTAAATGACAATGATAATTTTGTGTTGGATCCCTATTCTGGAGTCATAAAGTCAAAT
 GTCTCATTTGATAGAGAGCAGCAGAGTTCTACACTTTTGTGTCAAAGCCACTGATGGAGGACAACCAC
 CTCGTTCTCTACTGCAAAAGTAACTATCAACGTCATGGATGTCAATGACAACAGCCCAAGTTGTCAATTC
 TCCACCGTCTAACTTCTTTAAGTTGGTCCCCTCTCAGCCATTCTGGCTCCGTGGTAGCAGAAGTT
 TTTGCAGTGGATGTTGACACTGGAATGAACGCTGAACTAAAGTACTATAGTGAGTGGAAACAATAAAG
 GCTTATCCGGATTGATCCAGTAACAGGTAACATTACTCTGGAAGAAAAACCAGCACCTACTGATGTGGG
 ATTGCATCGTTTGGTGGTCAACATAAGTGACCTGGGGTACCCTAAGTCTTTCACACGCTTGTGCTTGTA
 TTCCTTTATGTTAACGACTGCTGGAAATGCCTCCTATATCTATGACTTGATCCGCAGGACTATGGAGA
 CCCCCTGGACAGGAACATAGGGGATAGTACCAACCCTATCAAATGAGGACTATCTAACCATCATGAT
 TGCCATCATCGCCGGTCCATGGTGGTCAATGTTGTGATCTTCGTCACCGTTCTGGTGCCTGTCGCCAT
 GCATCAAGGTTCAAAGCAGCTCAGAGGAGCAAGCAAGGTGCCGAATGGATGTCCCAACCAGGAGAACA
 AGCAAAACAAGAAAAAGAAAAGAAAAGAAAAGAAAGTCTCCAAAAGCTCTCTTTGAACTTTGTTACTAT
 CGAAGAGTCCAAACCCGATGATGCAAGTTTCAAGCCTATCAATGGGACAATAAGCCTGCCGGCTGAACTG
 GAGGAGCAAAGTATAGGAAGATTGACTGGGGCCCGGCACCTCCAACAACATTCAAGCCTAACAGTCCTG
 ACCTGGCCAAGCACTACAAATCTGCTTCTCCACAGCCTGCTTTTCATCTCAAACCAGACTCCAGTTTC
 CGTGAAAAAGCACCACGTGATTCAGGAACTCCCTTTGGACAACACCTTTGTTGGGGGTTGTGACACCCCT
 TCTAAACGCTCTTCCACTAGTTCAGATCACTTCAGTGCCTCAGAGTGCAGTTCCCAAGGAGGCTTCAAGA
 CAAAGGGCCCTTACACACCAGACAGTGAACCTCACACAGCAAAGTGAACAATATTCCTGTCACTCCTCA
 GAAATGTCCCAGTCCACGGGTTTCCACATTGAGGAGAATGAAGAAAGCCATTACGAGTCGCAGCGCCGT
 GTTACGTTTCATCTCCCTGATGGCTCCCAGGAAAGTGCAGTGCAGTGGTCTAGGAGACCATGAGCCGG
 TGGGTAGTGGAAACCCTGATCTCACACCCTTCTCTGTTTCAGCCACAGGACGAATTCTATGACCAGGC
 CTCTCCGACAAGAGGACTGAAGCAGATGGCAACTCTGATCCCAACTCTGATGGGCCTTTGGGTCCCCGA
 GGATTAGCTGAAGCTACAGAGATGTGCACTCAAGAGTGTGGTTTTGGTCACTCTGATAATTGCTGGA
 TGCCTCTGGCTTGGTCCATATCAACACCCCAATCTCCTCTCTCAACCTTTGCACCCAGAAAGAATG
 GGTGAAGAAGGACAAGCTTGTGAATGGGCACACCCTGACCAGAGCCTGGAAAGAAGACAGCAACAGGAAC
 CAGTTCAATGACCCTAAGCAGTATGGCTCCAATGAAGGCCATTTCAACAATGGCAGCCACATGACAGACA
 TTCCTCTGGCAAATCTGAAGTCTTATAAGCAAGCAGGAGGTGCTACTGAGAGTCTAAGGAGCACCACCT
 CTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Please inquire

ACCN:

NM_203487

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:	<ol style="list-style-type: none"> 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_203487.1 , NP_982354.1
RefSeq Size:	6229 bp
RefSeq ORF:	3714 bp
Locus ID:	5101
UniProt ID:	Q9HC56
Cytogenetics:	13q21.32
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>This gene encodes a member of the protocadherin family, and cadherin superfamily, of transmembrane proteins containing cadherin domains. These proteins mediate cell adhesion in neural tissues in the presence of calcium. The encoded protein may be involved in signaling at neuronal synaptic junctions. Sharing a characteristic with other protocadherin genes, this gene has a notably large exon that encodes multiple cadherin domains and a transmembrane region. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Nov 2012]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>