

## Product datasheet for MR211504

### Pcdh1 (NM\_029357) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pcdh1 (NM\_029357) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pcdh1  
**Synonyms:** 2010005A06Rik; AI585920  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR211504 representing NM\_029357  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGGCCTCTGAGGCCAGCCAGGGCCTGGGGGCGAGCGTTGCTGCTGCCCCCTTACTGCTGGCAC  
 TGCTGCTCCTATTGGCTCCATCTGCCAGCCATACCACCCAGGTAGTATACAAGGTGCCAGAGGAACAGCC  
 GCCAACACCCCTTATTGGGAGCCTTGTGCCGACTACGGTTTACCAGACGTGGGTATCTGTATAAACTA  
 GAGGTAGGTGCTCCGTATCTTCGAGTGGATGGCAAGACTGGAGACATTTTACCACAGAGACCTCCATTG  
 ATCGAGAGGGGCTCCGTGAATGCCAGAACCAGATCCCTGGGAATCCCTGTATCCTGGAGTTGAGGTGTC  
 AATCACGGACCTCGTGCAGAACGGCAGCCCCGGCTGCTAGAGGGCCAGATAGAGGTGCAAGACATCAAT  
 GACAACACGCCGAACCTTTCCTCGCCAGTCATTACCCTGGCCATCCCTGAGAACCAACATCGGCTCGC  
 TCTTCCCATCCCACTGGCCACAGACCGTGACGCCGGCCCAATGGCGTAGCATCCTATGAGCTGCAGGC  
 TGGGCTGAGGCCAGGAGCTATTTGGACTACAGGTAGCCGAGGACCAGGAGGAGAAGCAGCCACAGCTC  
 ATTGTCATGGGCAACCTGGACCGTGAACGCTGGGACTCTACGACCTCACCATCAAGGTACAGGATGGAG  
 GCAATCCTCCACGTGCCAGCAGCGCCCTGCTTCGTGCTACTGTGCTTGATACAAACGACAACGCCCCAA  
 AATCGAGCGCCCTACCTACGAAGCCGAGCTGTCTGAGAACAGTCCCATTGGCCACTCGGTATCCAGGTG  
 AAAGCTAACGACTCAGACCAAGGTGCCAATGCGGAGATTGACTACAGTTCACCAGGCACCTGAGGTTG  
 TCAGGCGCCTTTTGCAGTACAGCCGAAACTGGACTTATCACCGTCCAGGGCCCGTGGACCGAGAGGA  
 TTTAAGCACTCTGCGTTTCTCAGTGCTCGCCAAGGACCGAGGCGCCACCCCAAGAGTGCCCGTGCCAG  
 GTAGTTGTGACTGTGAAAGACATGAACGACAATGCCCGACCATCGAGATCCGAGGCATAGGGCTGGTGA  
 CTCATCAAGACGGAATGGCTAACATATCAGAGGACGTGGCTGAGGAGACCGCCGTGGCCTTGGTGCAGGT  
 GTCTGATCGAGACGAGGGAGAGAACGCAGCCGTACCTGTGTCGTAGCAGGCGATGTGCCCTTCCAGCTA  
 CGCCAGGCCAGCGAGACAGGCAGCGACAGCAAGAAAAAGTATTTCTGCAGACCACCACCCCTCTCGACT  
 ATGAGAAAAGTCAAAGACTATACCATCGAGATCGTGGCTGTGGATTCCGGCAACCCCTCACTCTTAGCAC  
 CAACTCCCTCAAGGTGCAGGTGGTAGACGTCAATGACAACGCCCCGCTTCACCAGAGCATCACTGAA



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GTTGCCTCCCAGAAAACAAGCCTGGTGAAGTGGTGGCCGAGGTCACGGCCAGTGATGCTGACTCTG  
 GCTCTAACGCAGAGCTAGTATACTCGCTGGAACCTGAGCCAGCTGCCAAGGGCTCTTCACTATCTACC  
 CGAATGGAGAGATCCGGGTGAAGACATCACTGGATCGGGAACAGAGACAGCTATGAGCTGAAGGTG  
 GTTGGCGCCGACAGGGGACGTCACGCTTCCAGGGCACAGCCACAGTCTCGTCAATGTGCTCGACTGTA  
 ATGACAATGACCCCAATTTATGCTGAGTGGCTACAATTCTCAGTGATGGAGAATATGCCAGCGCTGAG  
 TCCAGTGGGTATGGTGACTGTCAATTGACGGAGACAAAGGGGAGAATGCCCGGTGCAGCTCTCGGTAGAG  
 CAGGACAATGGTGACTTTGTTATCCAGAATGGCACAGGCACCATTATCCAGTTTGAGCTTCGATCGGG  
 AGCAACAGAGTACCTACACCTTCCAAGTGAAGGCCGTAGATGGCGGAGTCCCACCTCGTTTCGGCTATGT  
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 CACCGACTGCTGACCCCGCAGACACGTCTTGGTGAGACAGTCAGCCAGGTGACAGCGGAGGACATTGACT  
 CTGGTATCAATGCTGAGCTGACCTATAGCATCGCTGGCGCAACCCTTATGGGCTCTTCCAGATTGGATC  
 ACATTCGGGAGCCATCACGCTGGAAAAAGAAATGAACGGCGCCACCACGGTTACACCGCTCGTGGTG  
 AAGGTCAGTGACCGTGGCAAGCCCCCTCGCTACGGCACAGCCTTAGTCCACCTTACGTCAACGAGACCT  
 TAGCCAACCGCACGCTGCTAGAGACCCTCTCGTCCATAGCCTGGACACGCCCTGGATATTGACATCGC  
 TGGGGATCCGGAATACGAGCGTTCCAAGCAGCGTGGCAACATTCTTTGGGGTTGTAGCCGGTGTGGTG  
 GCCGTCGCCTTACTCATAGCCCTGGCAGTACTAGTGCCTACTGCCGGCAGCGGGAGGCCAAGAGCGGCT  
 ACCAGGCTGGTAAGAAGGAGACTAAGGACCTGTATGCCCCCAAGCCTAGCGGCAAAGCTGCTAAGGGAAG  
 CAAGAGCAAAGGGAAGAAAGCAAGTACCAGAACCTGTGAAGCCAGTGGAGGATGAAGATGACACCGGG  
 CTGCAGAAGTCCCTCAAGTTCAACCTAATGAGCGATGCCCTGGAGACAGTCCCCGAATCCACCTGCCCC  
 TCAACTACCCACAGGCAGCCCCGACTTGGGCCGCCATTACCGCTCCAACCTCCCACTGCCTTCTATCCA  
 GCTGCAACCCAGTCACCTCGGCCTCCAAGAAGCACCAGGTGGTGCAGGACCTGCCCGCTGCAACACA  
 TTTGTGGGCACTGGGGACACCACGTCCACGGGCTCCGAGCAGTACTCCGACTACAGCTATCGACCAACC  
 CCCCCAAATACCCAGCAAGCAGGTAGGCCAGCCCTTTCGGCTTAGCACGCCCCAGCCCCACCCACCC  
 CTACCACGGGGCCATCTGACCCAGGTGTGGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR211504 representing NM\_029357

Red=Cloning site Green=Tags(s)

MGPLRPSPGPGGQRLLLPPLLLALLLLLAPSASHTTQVVYKVPPEEQPNTLIGSLAADYGLPDVGHLYKL  
 EVGAPYLKRVGKTDGDIFFTETSIDREGLRECQNQIPGNPCILEFEVSITDLVQNGSPRLLEGQIEVQDIN  
 DNTPNFASPVITLAIPTENTNIGSLFPIPLATDRDAGPNGVASYELQAGPEAQELFGLQVAEDQEEKQPQL  
 IVMGNLDRERWDSYDLTIKVDGGNPPRASSALLRVTVLDTNDNAPKFERPTYEAELENSPIGHSVIQV  
 KANDSDQANAEIDYTFHQAPEVVRLLRLDRNTGLITVQGPVDREDLSTLRFVSLAKDRGATPKSARAQ  
 VVVTVKDMNDNAPTIEIRGIGLVTHQDGMANISEDVAEETAVALVQVSDRDEGENAAVTCVVAGDVFPQL  
 RQASETGSDSKKKYFLQTTTPLYEKVKDYTIEIVAVDSGNPPLSSTNSLKVQVVDVNDNAPVFTQSITE  
 VAFPENKPGEVVAEVTASDADSGSNAELVYSLEPEPAAQGLFTISPENGEIRVKTSLDREQRDSYELKV  
 VAADRGSPSLQGTATVLVNVLDCNDNDPKFMLS GYNFVSMENMPALSPVGMVTVIDGDKGENARVQLSVE  
 QDNGDFVIQNGTGTILSSLDFDREQSTYTFQLKAVDGGVPPRSAYVGVTVINVLDENDNAPFITAPSNTS  
 HRLLTPQTRLGETVSVQTAEDIDSGINAELTYSIAGGNPYGLFQIGSHSGAITLEKEIERHHGLHRLVV  
 KVSDRGKPPRYGTALVHLVYNETLANRLLLETLVHSLDTPLDIDIAGDPEYERSKQRGNILFGVAVGV  
 AVALLIALAVLVRYCRQREAKSGYQAGKKEKDLIYAPKPSGKAAGKSKGKSKKSPKPKVPEDEDDTG  
 LQKSLKFNLMSDAPGDSPRIHLPLNYPPGSPDLGRHYRSNSPLPSIQLQPQSPSASKKHQVVQDLPPANT  
 FVGTGDTTSTGSEQYSDYSYRTNPPKYPKQVQPFRLSTPQPPHPYHGAIWTEVWE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9012\\_a06.zip](https://cdn.origene.com/chromatograms/mm9012_a06.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**



**ACCN:** NM\_029357

**ORF Size:** 3114 bp

**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](mailto: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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_029357.3](#), [NP\\_083633.2](#)

**RefSeq Size:** 3902 bp

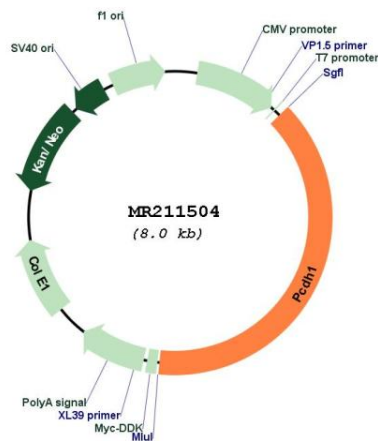
**RefSeq ORF:** 3117 bp

**Locus ID:** 75599

**Cytogenetics:** 18 20.08 cM

**MW:** 112.9 kDa

**Product images:**



Circular map for MR211504