

## Product datasheet for **RR217693**

### **Pcdh15 (NM\_001271377) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pcdh15 (NM\_001271377) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pcdh15  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR217693 representing NM\_001271377  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCCCACAGTTTGCTCTGTGGAAGTGTATGCCCCATGGGATCCTCCTGCCTACTCTTGATAGTCA  
GCTGGGGCCAATATGATGATGACTGGCAATATGAGGATTGAACTAGCTAGGGGAGGACCACCAGCTAC  
CATTGTGGCCATTGATGAAGAGAGTCGGAATGGTACAATTCTGGTGGACAACATGTTGATTAAGGGGAC  
GCCGGAGGACCAGACCCACCATAGAGCTCTTTAAAGGACAACGTGGACTACTGGGTGTTACTGGACC  
CCGTTAAGCAGATGCTTTTCTCAACAGTACCGGAAGAGTTCTGGATAGAGACCCACCGATGAACATACA  
CTCCATTGTAGTCCAAGTCCAGTGTGTCAACAAGAAGTTGGCACAGTGTCTATCATGAAGTACGCATC  
GTGGTGCAGGACCGGAATGACAACCTCACCCACATTCAAGCATGAGAGCTACTATGCCACCGTGAATGAGC  
TCACTCCGGTCGGCACCACAATATTCACGGGTTTGGGGAGACAACGGAGCCACAGACATAGACGATGG  
CCCTAACGGACAGATAGAATACGTCATTAGTACAACCCAGAAGATCCGACATCCAATGACACCTTCGAA  
ATTCCACTCATGTTGACTGGCAACGTGGTGTGAGGAAAAGACTCAACTACGAGGATAAGACTCGCTACT  
ACGTCATCATCCAAGCTAATGACCGTGCACAAAATCTGAATGAGAGGCGAACAACACTACTACCACCTCAC  
AGTAGACGTTCTAGATGGAGATGATCTGGGACCAATGTTTCTGCCCTGTGTTCTTGTGCCAAATACCCGT  
GACTGCCGTCCACTCACCTATCAAGCTGCCATTCTGAAGTACGAGGACTCCGGAAGAACTGAACCTATTT  
TGGTGACCCACCTATCCAAGCCATTGACCAGGACCGAAACATCCAACCACCTCTGATCGACCTGGCAT  
CCTCTACTCCAATCTTGTGGCACCCCTGAGGATTACCCCGCTTCTCCACATGCATCCAGGACTGCA  
GAACTCACTCTCCTGGAGCCAGTAAACAGAGACTTCCATCAAAGTTTGATTTGGTTATTAAGGCCGAAC  
AGGACAATGGCCACCCGCTGCCTGCCTTTGCTAGTCTACACATCGAGATACTGGACGAAAATAATCAGAG  
TCCATACTTTACAATGCCAGCTATCAAGGGTACATTCTGGAATCTGCCCCAGTGGGAGCCACCAATTTCT  
GAGAGCCTGAACTTAACACGCCTCTGAGAATTGAGTCTGGACAAAGACATAGAAGACGTGCCACCTG  
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ACCCACCGGTATACCCGCTACCTCACCTGCTTCAACCTGTGGACAGGGAGGAACAGCAAACCTATAACC  
TTTCTGATAACAGCGTTTCGATGGCGTGCAGGAGAGCGAGCCAGTGGTGGTCAATATCCGAGTGATGGATG  
CCAATGACAACACGCCACCTTCCCTGAGATCTCCTACAATGTCTATGTTTACACGGACATGAGTCCCGG  
GGACAGTGCATCCAGCTGACTGCAGTGGACGCTGATGAAGGCTTAACGGGGAGATCTCCTATGAAATA



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CTAGTGGGCAGCAAGGGGAGACTTCGTGATCAACAGGACCACGGGGCTGGTGAGCATCGCGCCAGGAGTGG  
 AGCTGGTCGTGGGACAGACGTATGCGCTCACGGTACAGGCTTCGGACAACGCCCCGCCGACAGAGAAG  
 GCACTCCATCTGCACGGTGTACATCGAGGTGCTGCCTCCCAACAACCAGAGCCCTCCGCGTTTCCACAG  
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 GGGACCACTATGAACTGGTTGTTGTGGCAACAGATGGAGCTGTACACCCTCGACATTCAACTCTGACACT  
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 TCTTCTGAGGAGTTGGATTATGAGGCCTTCCCGACCAAGAGGCAAGCATCACGTTCTTGGTGGAGGCC  
 TTTGATATTTATGGGACGATGCCACCCGGTATAGCAACGGTACAGTAATTTGTGAAGGACATGAATGACT  
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 GATGTGCAGTTTCCATACCCGGCCAGTATTTTTGACGTAGAGGAAGATTCTGGAAGAGTAATAACCCGTG  
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 GAATACAGACCTCCTCCTGTGAGCGAGCTTGTGCCAGAGGACTGTAGTAGGCGTCATTTCTGTCGCC  
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 CACTGGCGTCATCTATGTGAATTCGCCACTGGATTACGAGACAAGGACTAGCTATGTCTCCGGGTGCAA  
 GCAGATTTCTGGAAGTGGTCTCGCAATCTCCGAGTCCCTTAAAAAGCAATACAGCTAAGGTGTACA  
 TTGAGATTGAGGATGAAAACGATCACCCCCAGTGTCCAGAAGAAATTTACATTGGAGGTGTGTCTGA  
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 CGACGACTACGGGAAGGGTTGAGCGGAAAGCGGACGTACTGGTCTCCGTGGTCAATCACTGGATATG  
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 AGAGCCATCGACAGAAATGAGCTTTTTAAGTTCCTGGACGGCAAACCTGCTTGATATCAATAAAGACTTCC  
 AGCCGTATTACGGGAAGGAGGACGCACTCTGGAGATTCGGACTCCCGAAGCAGTACGAGCATCAAGAA  
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 CGCCGCCACCACCACCAGGAGCACATCTCTATGAAGAACTGGGAGAGAGCGCCATGCATAAGTATGAG  
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 GTGAAGCTGAAGAGGAGTATGAAGAGGAAGAGGTAAGTCCAGAGAAAGTTAAAAAGCCAAAGTTGAAAT  
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 GAAACCGAGTCTGAGTTCAGCGAGTCCGAGACCACTGAAGAAATCCGAGTCGGAGACCCCATCTGAGGAGG  
 CAGAGGAAGCTCGACCCGGAGTCAGAGGAGTCTGAGTCCACCGAGTCAGAGGGAGAGAAGGCAAGGAA  
 AAACATCGTGCTAGCAAGAAGAAGACCCGTGGTGAAGAAATCCAAGAAGTGAAGGGTAAGAAGAGGAG  
 CCGCCTGTAGAGCAGGAAGAAGACCCCGGGGAGGAGGAAGAACGGCCAGAGGAAGGAGAAGAAGCG  
 AAGCAGCTCCCATGGATGAATCCACAGACCTGGAGGCTCAGGATGTCCCAGAGGAGGGCAGCGCAGAATC  
 AGCCTCGTGGAGAGGGGCGTGGAAAGTGAAGGAGGAAATCGGAGTCAGAAGTGAAGCAGTAGCAGCAGCAGC  
 AGCAGCAGTGAGAGCCTCTCTGGAGGCCCTGGGGTTCCAGGTACCAGAGTATGACAGGAGGAAGGAGG

AAGATGCCAAGAAATCTCCAGGCGCAAACCTCCGAAGGATACAACACAGCCCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA

**Protein Sequence:**

>RR217693 representing NM\_001271377  
Red=Cloning site Green=Tags(s)

MSPQFALWKCMPHGILLASLLIVSWGQYDDDWQYEDCKLARGPPATIVAIDEESRNGTILVDNMLIKGT  
AGGPDPTIELSLKDNVDYVWLLDPVKQMLFLNSTGRVLDLDRPPMNIHSIVVQVQC VNKKVGTVIYHEVRI  
VVRDRNDNSPTFKHESYATVNELTPVGTTFITGFAGDNGATDIDDGPNQIEYVIQYNPEDPTSNDTFE  
IPLMLTGNVVLKRRLNYEDKTRYVYIIQANDRAQNLNERRTTTTLTVDLVDGDDLGPMLPCVLPVNT  
DCRPLTYQAAIPELRTPEELNPILVTPPIQAIQDRNIQPPSDRPGILYSILVGTPEYRFLMHHPRTA  
ELTLLEPVNRDFHQKFDLVIAEQDNGHPLPAFASLHIEILDENNQSPYFTMPYQGYILESAPVGATIS  
ESLNLTTPLRIVALDKDIEDVPPGGVPTKDPELHLFLNDYTSVFTVPTGTITRYLTLQPVDREEQQT  
FLITAFDGVQSEPVVVNIRVMDANDNTPTFPEISYNVYVYTDMSPGDSVIQLTAVDADEGSNGEISYEI  
LVGSKGDFVINRTTGLVSIAPGVELVVGQTYALTVQASDNAPPAERRHSICTVYIEVLPNNQSPRFPQ  
LMYSLEVSEAMRIGAVLLNLQATDREGDPIYAIENGDPQRVFNLSSETTGILSLGKALDRESTDYILIV  
TASDGRPDGTSTATVNIIVTDVNDNAPVFDPYLPRNLSVVEEANAFAVQVVRATDPDAGINGQVHSLGN  
FNNLFRITSNYSIYAVKLNREARDHYELVVVATDGAVHPRHSTLTLYIKVLDIDDNSPVFTNSTYTVV  
EENLPAGTAFQLIEAKVDLGANVSYRIRSPVKHLFALHPFTGELSLRSLDYEAFPDQEASITFLVEA  
FDIYGTMPPIATVTVIVKDMNDYPPVFSKRIYKGMVAPDAVKGTPITTVYAEDADPPGLPASRVRYRVD  
DVQFPYPASIFDVEEDSGRIVITRNLNEEPTTIFKLVVAFDDGPEVMSSSATVRILVLHPGEIPRFTQE  
EYRPPVSELAARGTVVGVISAAAINQSIYYSIVAGNEDDKFGINNVTGVIYVNSPLDYETRTSYVLRVQ  
ADSLEVVLANLRVPSKSNKAKVYIEIQDENDHPPVFQKKFYIGGVSEDMFTSVLRVKATDRDTGNYS  
MAYRLIIPPIKEGKEGFVETYTGLIKTAMLFHNMRYSYFKQVIATDDYKGLSGKADVLVSVVNLQDM  
QIVSVNPPTLVEKKIEDLTEILDYVQEQIPGAKVVVESIGARRHGDAFSLDYSKCDLTVYAIDPQTN  
RAIDRNELFKFLDGKLLDINKDFQPYGEGGRILEIRTPEAVTSIKKRGESLGYTEGALLALAFIILCC  
IPAILVVLVSYRQFKVRQAECTKTARIQSAMPAAKPAAPVPAAPPPPPPPPPGHAHLYEELGESAMHKYE  
MPQYGSRRRLPPAGQEYGEVIGEAEEEEEEEEVSPEKVKPKVEIREPSEEEVVVTEKPPAAEPTYP  
TWKRARIFPMIFKKVRGLAEKRGIDLEGEWRRRLEEDKDYLLQLDQEEATESTVESEEESDYTEYT  
ETESEFSESETTESESETPSEEAEESSTPESESESESESEGEKARKNIVLARRRPVVEIQEVKGGKEE  
PPVEQEEEEPPGEEEEERPEEGESEAAPMDESTDLEAQDVPEEGSAESASVERGVESEEESEVSSSSSS  
SSSESLSGGPWGFQVPEYDRRKEEDAKKSPGANSEGYNTAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

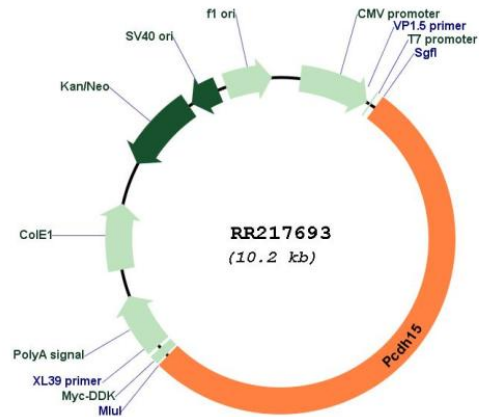
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_001271377

ORF Size: 5373 bp

OTI Disclaimer: 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\\_001271377.1](#), [NP\\_001258306.1](#)

RefSeq Size: 5376 bp

RefSeq ORF: 5376 bp

Locus ID: 690865

Cytogenetics: 20p12

MW: 198.8 kDa