

Product datasheet for **RR205603**

Pcdh8 (NM_022868) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh8 (NM_022868) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcdh8
Synonyms:	Arcadlin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR205603 representing NM_022868
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTCCAGTGAAGCGCTGGGGCAGCCCTGCCTTTTCCCTTGCAGCTATTTAGTCTCTGCTGGGTGC
 TCTCAGTGGCCCAGAGCAAGACAGTCCGATACAGCACCTTCAAGAGGATGCCCTGGCAGCATATCGG
 GACCCCTGCAGAGGATCTGCATATGAAAGTGTCTGGAGACACAAGCTTCCGCCTGATGAAGCAATCAAC
 AGCTCTCTGCTCCGGTACGCGAGGGGACGGCAGCTGACCGTCCGGGATGCAGGCCTGGACGGGAGC
 GCCTGTGTGGCCAGTCCCACAGTGTGTCTGGCCTTCGATGTTGTGAGCTTCTCGCAGGAACAGTTCCG
 GCTTGTGCACGTGGAGGTGGAGGTGAGGGATGTAACGACCACGCGCCCCGCTTTCCCGAGCCAGATC
 CCGGTGGAGGTCTCAGAGAGTGTCCGGTAGGCACGCGCATCCCCCTGGAGGTGCCTGTAGACGAGGACG
 TGGGTGCCAATGGGCTGCAGAGTGTACGCTGGCCGAGCCTCACAGCCCCCTCCGAGTGGAGCTGCAGAC
 GCGCGCGACGGTGCCAGTGTGCGGACCTGGTGTGCTACAGGAGCTGGACCGGAGAGCCAGGCTCC
 TACAGCCTGGAGCTGGTGGCTCAGGACGCGGGGACCGCCGCTTCCGCCACAGCAGCCCTCAGCGTGC
 GTGTGCTAGATGCCAATGACCATAGCCCGCCTTCCCGCAGGGTGCCGTGGCGGAGGTGGAATTGGCCGA
 GGACGCACCTGTGGGATCGCTGCTGTGGACCTGGACGCTGCCGATCCCGACGAAGGTCCCAACGGCGAC
 GTTGTGTTACCTTTGGCGCCCGCACCCCTCCCGAAGCCCGCCACCTTTTCCGGCTCGACCCACGCTCTG
 GCCGCCTCACCTTGGCTGGGAGGTGGACTACGAGCGCAAGATACCTATGAGCTGGACGTGCGGGCTCA
 AGACCGAGGCCAGGACCCCGGACGCCACCTGCAAGGTATCGTGCATCCGAGACGTCAACGACAAC
 CCTCTGATATTTCTATACCCCTCTGGCCGCCCGGGGCTCCAGCCACCTCGCCCTCGCAGCCGCTG
 CCGCTGCCCGCCACTTGGAGGAGCGGACGACGCTCGTGGCAGGGTCTGGAACACAGGAAACCGCGCT
 CACTCGTTGGTGCCAGAGGGGGCGCGGGAGAGCCTAGTGGCGCTGGTACGACCTCGGACAGGGAC
 TCTGGCGCAACGGGAGGTGCGCTGCGCCCTACGCGGACGAGCACTTATAGGTACAGCCGGCCTATG
 CTGGCAGTACCTGGTGGTACCGCCGATCTCTGGACCGGAGCGCATCGCGGAGTACAACCTGACGCT
 GGTGGCCGAAGACCGTGGCGCGCCCTCTGCGCACTGTACGGCCCTACACCGTGCAGGTTGGGTGACGAG
 AATGACAACGCTCCACTTTCACCAAGCCAGTCTACGAGGTGTGAGTCCGCGAAAACAACCTCCGGGCG
 CCTACCTGGCCACAGTGGCCGCCGCGACCTGACCTGGGCCGCAACGGTACAGTACCTACCGGCTGGT
 AGAGGCCGAAGTGGGGCGCTCCGGGAAGCCGTGTCCACTACGCTCTCAGTAGACCCGGCTACCGGGGCC
 ATCTACGCTCTGCGTAGCTTTGACTATGAGACTCTGCGCCAGCTTGACGTGCGTGTCCAGGCCAGCGACG
 GCGGTTCCCTCAGCTTTCCAGCAATGCTCTGGTGAAGTGCAGTGTGGACCAGAACGATCACTCTCC
 GGTCTCGTGCATCCGGCGCCGGCAATGGCTCCCTAGAAGTAGCAGTCCCTGGACGTTCCACCAAGGAC
 ACAGCTGTGGCAGCATCCAGGCCCGGGATGCAGACGAAGGAGCCAACGGGGAAGTGGCCTTCGATCTCC
 TGCAGCAGGAGCCACGCGAGGCCCTTCCATAGGCCGCCACAGGGGGAGATCGTGTACCCGGAGACCT
 CTGCGAGGAGCCTCTGGCCGCTGTTCAAGGCCCTACTGGTCAATCCGACGGCGGCGCCCCCTCTC
 ACCACCACAGCAACCGTCACTTTCGTGGTAACAGCCGGTGGTGGTCACTGTGCTGCCAGCGCCGGGA
 GCCCGGAGCACTCCGGCCACCCGGCTCTCGCTCGCGCCGTGGGGCTTCGCTGCAGTGGGACACGCC
 GCTGATCGTCATCATCGTGTAGCCGGGAGCTGCACCCTGCTGCTTGCAGCCATCATGCCATCGCCACC
 ACCTGCAACCGCCGAAGAAGGAGCCCTACAGTGCCTCTCCGGGCTTTGGGAAGGAGCCTGCGCCCTCTG
 TTGAGTCTGGAAGGGCATTTCATTCAACACCATCTCAGGCCGAGAAGCTGAGAAGTTCAGTGGGAAAGA
 CAGCGGAAAGGAGACAGTGATTTCAATGACAGTACTCGGACATCAGCGGGGACGCTTGAAGAAAGAC
 CTCATCAACCACATGCAGAGTGGACTGTGGCATGCACGGCTGAGTGCAAGATCTTAGGCCATTCTGATC
 GCTGTGGAGCCATCTGTGCCGACCAACACACCCGCTCTCACCCACCAGCCAGATGTCAAC
 CTTCTGTAAGAGCAGTCCCTGCCTCGGGATCCTCTGCGCAGGGACAATTACTACCAGGCCAGCTCCCC
 AAGACAGTGGGGTGCAGAGCTATGAGAAAGTGTGCATAGAGACTATGACAGGACAGTCACTTTGC
 TCTCCCTCCCGTCCAGGAAGGCTCCAGACCTGCAGGAGATTGGAGTACCCCTCTATAGTCCCTCC
 TGGTGGCAGATATGTGTCCCGAAGAAGGAACCAATGAAATGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205603 representing NM_022868
 Red=Cloning site Green=Tags(s)

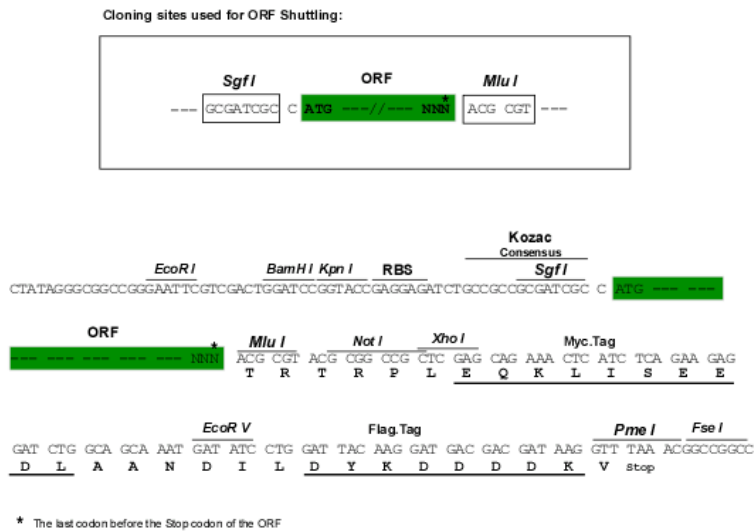
MSPVKRWGSPCLFPLQLFSLCWVLSVAQSKTVRYSTFEEDAPGTVIGTLAEDLHMKVSGDTSFRLMKQFN
 SLLLRVREGDGQLTVGDAGLDRERLCGQSPQCVLAFDVVFSQEQFRLVHVEVEVRDNDHAPRFPRAQI
 PVEVSESAPVGTTRIPLEVPVDEVDVANGLSVRLAEPHSPFRVELQTRADGAQCADLVLLQELDRESQAS
 YSLELVAQDGGRRPRSATAALSVRVL DANDHSPA FPGGAVAEVELAEDAPVGSLLLDLDAADPDEGPNGD
 VVFTFGARTPPEARHLFRLDPRSGRLTLAQVDYERQDTYELDVRAQDRGPGPRTATCKVIVRIRDVNDN
 PPDISITPLAAPGAPATSPFAAAAAAAAAALGGADAASSAGSGTQETGVTSLVPEGAARESLVALVSTSDRD
 SGANGQVRICALYGHEHFRQLPAYAGSYLVVTAASLDRERIAEYNLTLVAEDRGAPPLRTRVRYTVRVGDE
 NDNAPLFTKPVYEVSVRENNPPGAYLATVAARDPDLGRNGQVTYRLVEAEVGRSGEAVSTYVSDPATGA
 IYALRSFDYETLRQLDVRVQASDGGSPQLSSNALVQVRVLDQNDHSPVLVHPAPANGSLEVAVPGRSTKD
 TAVARIQARDADEGANGELAFDLLQQEPREAFSIGRHTGEIVLTGDLSEPPGRVFKALLVISDGGRPPL
 TTTATVSVVTTAGGSAVPASAGSPEHFRPPGSR LAPSGLQWDTPLIIVILAGSCTLLAAIIAIIAT
 TCNRRKKEPYSASPGFGKEPAPPVAVWKGHSFNTISGREAEKFSKDKSGKGDSDFNDSDDISGDALKKD
 LINHMQSGLWACTAECKILGHSDRCWSPSCAGPNTHPPHPPAQMSTFCCKSTSLPRDPLRRDNYYQAQLP
 KTVGLQSVYEKVLHRDYDRTVTLSPRRPGRPLDQLQEGVPLYESPPGGRYVSPKKGTNENV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

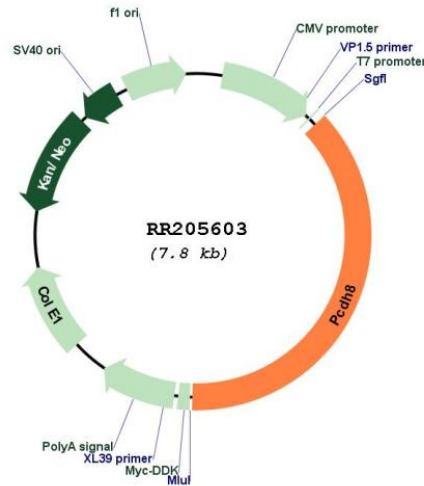
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_022868

ORF Size: 2916 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_022868.1](#), [NP_074059.1](#)

RefSeq Size: 2919 bp

RefSeq ORF: 2919 bp

Locus ID: 64865

UniProt ID: [D3ZE55](#)

Cytogenetics: 15q12
MW: 103.8 kDa
Gene Summary: may mediate activity-induced synaptic reorganization underlying long term memory [RGD, Feb 2006]