

Product datasheet for RN217527

Pcdh12 (NM_053944) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh12 (NM_053944) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pcdh12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217527 representing NM_053944 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGCTACTTCTGCCTTCTCCTGCTAGGGCTCTTAGGACCAGGAAGCTACTTGTTTCATTTTCAGGGGCTTGTC
AGGAGGTGGCCACTGTCACGGTGAATTCCTCAAGTGGCAGAGGAAGTGCCATCTGGCACCGTGATAGGGAA
ACTGTCCCAAGAACCAGGAGTGGAGGAGGCGTGGGAAGGCAGGAGATGCCTTTCAGATTTGTCAGCTG
CCTCAGGCACTGCCGATTGAGATGAACTCTGAGGATGGCCTGCTCAACACTTCCAGCCGGCTGGATCGGG
AGAAGCTCTGTCGGCAGCAAGATCCCTGCCTGGTGTCTTTGATGTGCTTCCACAGGGGCTTCTGCTCT
AATTCATGTGGAGATTCAGGTGCTGGACATCAATGACCACCAGCCTCAGTTTCCCAAAGATGAGCAGGAG
CTGGAAATCTCTGAGAGTCTTCTGTCACACACGAATCCCTTGGACAGAGCTTTGACCAAGACACTG
GCCCTAACAGCTTATATTCCTATTCCTGTCTCCAGTGAACACTTTGCCCTGGATGTTATTGTGGGCC
TGATGAGACCAACACGCAGAACTTGTGGTGGTGAAGGAGTTGGACAGGGAAGTCCACTCATTTTTGAT
CTGGTGTGACTGCCTATGACAATGGGAATCCCCCAAGTCAGGTACCAGCGTGGTCAAGGTCAATGTCC
TAGATTCCAATGACAATAGCCCAGTGTGCTGAGAGTTCACTAGCACTAGAAATCCCAGAAGACTGTC
CCCTGGTACTCTTCTCATAAACCTGACTGCTACGGATCCAGACCAAGGCCCAATGGGGAGGTAGAATTC
TTCTTTGGCAAGCATGTGTCCTCCAGAGGTGATGAATACCTTTGGTATAGATGCTAAGACAGGCCAGATCG
TTCTGCTCCAACCCCTAGACTACGAGAAAAACCCTGCCTATGAGGTGGATGTCCAGGCAAGGGACTTAGG
TCCCAATTCATCCAGGCCATTGCAAAGTTCTCATCAAAGTTCTGGATGTCAATGACAACGCCCAAGC
ATCCACATCACGTGGGCTCCAGATGTCGCTGGTGTGAGAAGATCTCCAGGGACAGCTTCATTGCTC
TTGTCACTGCGAATGACTTGGACTCAGGAAACAATGGTCTAGTCAACTGTTGGCTGAATCAAGAGCTAGG
TCACTTCAGACTGAAAAGGACTAATGGCAACACGTACATGCTGCTCACCAGTCCCATGCTGGACAGAGAG
CAATGCCCCACATACACTCTCACTGTGTTGCCCAGACCAAGGACCCAGGCCTTATCAGCTGAGAAGG
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CACTTGGGAAAACAACCCCTCTCTTCACTTATCACGCTCAAAGCTCATGATGCTGACTTGGGCAGT
AATGAAAAGTGTATACCGTATCAAGGACTCCCTGTTTCTCACTTAGTCATTATTGACTCTGAAACAG
GAGAAGTCACTGCTCAGAGGTGCTGGACTATGAAGAGATGGCAGGCTTTGAGTCCAGGTGATAGCAGA
GGACAGAGGGCAACCCAGCTCTCATCCAGCATCTCGGTGTGGTTAGCCTTTGGATGCCAACGACAAT



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ACCCAGAAAGTATTAGCCTGCGCTCAGTGAAGCAAAGCCACCCTTTTCAGTGCTTGTAAATGCCTCCA
CGGGCCACCTTCTGTTGCCCATTTAGAGAGCCCAAGTGGCATGGATCCAGCAGGTAAGTCCCAACACCACC
AAAGGCTACCCACAGCCCTGGTCTTCTTTTGGTGACAATCGTGGCAAGGGATGCAGACTCGGGGGCC
AATGGGAACTCCTTTACAGCATTCAAAGTGGGAATGATGCTCATCTCTTTGTCTCAGCCCTTCCCTGG
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AGAGGACCAGGGGAGCCCTCCTTGACAGCCCAAGTTTCACTGAAGTCTGTGTTGTCCACAGCATGGAC
CACCTAAGGGACTCTGCTCAGAGCCCGAATTCTGAGCACACCAGCGCTGGCTATGATCTGCCTGGCTG
TACTGCTGGCCGCTTTGGATTGATCTTGGCTTTGCTTGTATCCATCTGCCGGATAGAGAAAAGGATAA
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CAGAAGGCAGATATCCACCTGGTGCCTATGCTTAGGGCCAGGAGGATGAGGCTGAGGAAGTTAGGCCAC
CTCACAAGGATACCAGTAAAGAGACATTGATGGAGGCAGGTTGGGACTCTGCCTACAGGCCCTTCCA
CCTCACACCAACCCTATACCGACCCTGCGTAACCAAGGCAACCAGGGAGCACTGGCAGAGAGCCAGGAG
GTACTGCAGGACACCTTCAACTTCTCTTCAACCACCCAGGCAGAGGAATGCCTCCGAGAGAACCTCA
ACCTTCTGAGTCCCAACCACCCTACGCCAGCCACTCTTAAAGCCTCTGAAGTGCCTGGCAGCCCAT
AGCGAGGGTACTGGAGCAAGGCAGCAAGGAGGCACCACAGAGCCACCAGCGTCTCTGCAACCCTA
AGACGACAGAGGAATCTCAATGGCAAAGTGTCTCTAAAGGCGAGTCCAGTCTCATCAGATTCTCAGGA
GCCTGGTTCGACTCTCTGTAGTGTCTTTGCAACGGAACCCTGTGGAGGAGCTTGCTGGGGACTCTCC
TCTGTTCAGCAAATCTCCAGCTGCTGTCTTGTCTGCATCAGGGCAATTCCAGCCAAACCAACCCAC
CGAGGAAATAAATACTCGGCCAAGCCCGGCAGCAGCAGAGCTACCATCCAGACACAGATGGCTTAGGCA
TCAGGCCCTGGTGGCCTATCAGAACCTGACTTGGAAAGAGGGCCCCAAGCCAGAGGAGGATCTTTCTGT
AAAGCGACTTCTAGAAGAAGAGTTGTCCAGCCTGTTGGATCCTAATACAGGTCTAGCCCTGGACAAGCTG
AGTCCCCTGACCAGCCTGGATGGCGAGACTGTCATTGCCCTCACTACCAATTACCGAGACAATTGT
CTTCCCCTGATGCTGCAGCATCAGAGGAACCGAGAACCCTCCAGACATTCCGCAAGACAGTCCGACCCGG
TCCCGAGCTAAGCGCAACAGGCACGCGCCTGGCCAGCACTTTCGTCTCGGAGATGAGCTCACTGCTGGAG
ATGTTGTTGGAGCAGAACACGGTGCCTGTGGAAGCTGCGTCTGCGGCTTTGCGGAGGCTCTCAGTGTGCG
GGAGGACCCTGAGTCTAGACCTAGCCACCAGTGGGGCCTCGGGCTCAGAAGCACAGCTGGGTAGAAAAAA
GGCAGCTGAGAGCAGTCTTGGCTGTGGCAGGAATCTATGA
    
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
    
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053944
- Insert Size:** 3540 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_053944.1](#), [NP_446396.1](#)

RefSeq Size: 4183 bp

RefSeq ORF: 3540 bp

Locus ID: 116808

Cytogenetics: 18p11

Gene Summary: may play a role in cell-cell adhesion during spermatogenesis [RGD, Feb 2006]