

## Product datasheet for **RN214622**

### **Pcdha2 (NM\_199504) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pcdha2 (NM_199504) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pcdha2
Synonyms:	rCNRv02
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN214622 representing NM\_199504  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTCTTTGAGAGGGGGTCCAGAGGTCAGGCAGTGTCTGCTCTTCTTCTTCTCGCAGCCT  
 GGGAGGCAGGGAGCGGCCAGCTTCACTACTCCGTTACAGAAGAGGCCAAACACGGTACCTTCGTGGGCCG  
 CATCGCGCAGGACCTGGGGCTGGAGCTGGCGGAGCTGGTGCCCGCCTGTTACAGGTGGCGTCCAAGGAC  
 CGCGGAGACCTTCTGGAGGTAATCTGCAGAATGGCATTGTTGTTGTGAATTCTCGGATCGACCGGGAGG  
 AGCTGTGCGGGCAGAGCGCGGAGTGCAGCATCCACCTGGAGGTGATCGTGGACAGGCCGCTGCAGTTTTT  
 CCACGTGGAGGTGGAGGTGAGGGACATTAACGACAACCCGCTCTATTTCCAATGACAGAAAAAATTATC  
 CAGTTTTTCGAATCTAGGGTCTTCACTCGCGTTTTCTTTAGAGGGAGCATCTGATGCAGATATAGGAG  
 CAAATGCTCTTCTGCTTACAAGCTCAGCCCCAGCGAGTTTTTCTTTCTAGATGTACAAACGAGTGATGA  
 ACTAAGCCAATCTCTGTTTCTTGTGCTGGGAAATCTCTGGATAGAGAGGAGAATGCGGAGGTGAAATTG  
 TTAAGTGTAGCTACCGACGGAGGCAAGCCTGAACTCACGGGCACTGTTCAAATACTCATTAAAGGTGTTAG  
 ATGTGAATGACAAACGAACCTACTTTCCCCAGTCAGTTTACAAAGTGGCCTGTTAGAGAACACTGCAAA  
 CGGAACCTGGTGATTAATTAACGCTTCTGATGCAGATGAAGGAGCGAACAGTGAGATTGTGTATTCA  
 CTCAGTAGTGATGTGCTTCTACCACACGGACAAAGTTTCAAATAGACGCAAACTCAGGAGAAATCAGAA  
 CTACGGGAGAATTAGATTATGAAGAAAAGACATCGATGAAATCCAGATCATTGCATCTGACAAAGGAAC  
 CCCGTCAATGTCAGGGCATTGTAATAATTCAGTAAAATTCAGTAACTTATGGATATCAATGACAACACGCCGGAAGTT  
 TCAATAACGCTCTTTCACTACCTGTCCAAGAGAATGCTCCACTGGGTGCTGTCATCGCCCTCATCTCAG  
 TCTCAGATCGTGACTCAGGAATCAATGGGCAAGTGACCTGCTCCCTAAGTCTCACCTCCCTTCAAGT  
 GGTGTCCACTTTCAAGAATACTACTATTCGCTCGTCTGGACAGCGCTTTGGACCGGAAACCACAGCTGAG  
 TATAAGGTAATGGTGACAGCCGGGACGGGGCTCACCTTCGCTGCAGGCCACAGCTACCATTCTGTGG  
 AGGTGGCTGACGTGAACGATAATGCGCCTCTGTTGCGCAGCCTGAATACACGGTGTTCGTGAAGGAGAA  
 CAATCCACCCGGCGCACACATCTTTACAGTGTGCGCGGTGGATGCAGATGCACAGGAGAACGCGTTGGT  
 TTTTACTCGTTGGTGGAGCGGAGGATGGGTGAACGCTTGTGTCGAGCTATGTGCTGTGCACCGGAGA  
 GCGGCAAGGTGTTGCGCTGCAGCCTCTGGACCATGAGGAGCTGGAGCTGCTGCAGTTCAGGTGAGCGC  
 GCGGGATGCTGGTGTGCCTGCCCTGGGAGCAATGTACTCTGCAGGTGTTGTGCTGGATGAGAACGAC  
 AATGCACCCATGCTGCTGCCTCACGGAGCTGTGGGAGTTGGCGGCTCAGTTAGTGAGCTTGTGCCTAGGT  
 CAGTAGTTTCAAGTCTATGTTGTCACCAAGGTGCATGCAGTGGATGCAGACTCTGGTTACAATGCGTGGCT  
 GTCATATGAACTGCAACCCACAGTTGGCACACGTATCCCGTTCGCGTGGGTCTGTATACGGGTGAAATC  
 AGCACCACGCGCGCTTAGATGAAGTGGATGCGCTGCGCCATCGCCTACTAGTGTGGTGAAGGACCATG  
 GTGAGCCTGCGCTAACTGCCACAGCCACAGTGTACTTTCTCTAGTTGAGAAATGGGCAAGCTCCAAAAAC  
 TTCATCAAGAGCGTTGGTAGATGCCGCTGGCCAAGAGACATCTCTGGTACTGTTAATGTGTATCTGATC  
 ATCGCCATCTGCGCAGTGTCCAGCCTGTAGTGTCTACCCTGTGCTGTACACCGCGCTGCGCTGCTCGG  
 CGATGCCACCAATGGAGCCTGTGCTCCAGGGAAGCCCATGCTGGTGTGCTCCAGCGCGTGGGAAGCTG  
 GTCGTAAGTGCAGCAGAGGCGACAGAGGTGTGCTCTGGAGAGGGCCTACCTAAGACTGATCTCATGGCC  
 TTCAGTCCCAGTCTATCCAAGGTCCAGAATCGGCAGAAGAGAGACAACCACCCTTAGAGGCCGAACACT  
 TAGGAAAGCCCGACAGCCCAACCTGACTGGCGCTACTCTGCCTCGCTAAGAGCCGGCATGCACAGCTC  
 TGTGCACCTGGAGGAGGCTGGCATTCTACGGGCTGGTCCAGGAGGGCCTGATCAACAGTGGCCAACAGTA  
 TCCAGTGAACACCAGAACCAGAGGCAGGAGAGGTGTCCCTCCAGTGGGCGCTGGTGTCAACAGCAACA  
 GCTGGACCTTTAAATACGGACCCGGCAACCCCAACAGCCCGTCCCGGTGAGTTGCCAGACAAATTCAT  
 TATCCCAGGATCTCTGCAATCATCTCCATCCGGCAGGAGTCTGCTAACAAACAAATTGACAAAAGCGAT  
 TTTATAACCTTCGGCAAAAAGGAGGAGACCAAGAAAAAGAAGAAAAAGAAGGGAACAAGACCCAGG  
 AGAAAAAGAGAAAGGGAACAGCACGACGGACAACAGTGACCAGTGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

<b>ACCN:</b>	NM_199504
<b>Insert Size:</b>	2847 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_199504.1</a></u> , <u><a href="#">NP_955798.1</a></u>
<b>RefSeq Size:</b>	5244 bp
<b>RefSeq ORF:</b>	2847 bp
<b>Locus ID:</b>	393086
<b>Cytogenetics:</b>	18p11
<b>Gene Summary:</b>	member of a family of synaptic cadherins and Reelin receptors [RGD, Feb 2006]