

## Product datasheet for **RN202397**

### **Pcdha5 (NM\_199505) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pcdha5 (NM_199505) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pcdha5
Synonyms:	rCNRv05
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN202397 representing NM\_199505  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTATATCCAGCGAGGAAGTCCGGGATTTCCGGCCTGCTGATCTCCTTTGTGCTTCTCGTAGCCT  
 GGGAGGCAGGGAGCGGCCAGCTCCACTACTCCATCCCTGAGGAGGCCAAACACGGCACCTTCGTGGGCCG  
 CATCGCGCAGGACCTGGGACTGGAGCTGGCGGAGCTGGTGCCCGTCTGTTCAGGGTGGCGTCCAAGGAC  
 CGCAGAGACCTTCTGGAGGTAATCTGCAGAATGGCATTGTTGTTGTGAATTCTCGGATCGACGGGAGG  
 AGCTGTGCGGGCAGAGCGGGAGTGCAGCATCCACCTGGAGGTGATCGTGGACAGGCCGCTGCAGTTTTT  
 CCACGTGGAGGTGGAGGTGAGGGACATTAACGACAACCCGCTACATTCTCCAGACCTGAACAAAGATTA  
 TTTATTTGGAGTCAAGAATGCCAGACTCGCGTTTCCAGTAGAGGGCGCATCTGATTTGGATGTGGGAG  
 CCAATGCAGCCTTGAACATAAGATAAATCCTAATGAATATTTGACTTGGATGTTAAACGAAACGAAGA  
 AGAAACAAGCATTGTCACCTAGTTTTGAAGAAGCCGCTAGACAGAGAAGAAACCAAGAGCATCATTTG  
 TTGCTGATGGCACTGATGGAGGGAAACCTGAACTAACAGGTACTGTTCAAGTTACTGATTGATGATTGG  
 ATGCAAACGATAATGCTCCGGAGTTTGATAGATCTGTTATAATGTCAGATTGTTAGAAAACACACCCAA  
 CGAGACGTTAGTAATTAACCTCAACGCTTCAGACGCGGATGAGGGAATTAATAAAGAAATACTGTATTTT  
 TTCAGTAATCTTGTCTTGATGGTGTAAATCAAAATTTACAATAAATTTACCAGTGGAGAAATAAAGG  
 TTAAGGGCAGCTGGATTACGAAGACTGTAATATACAGATTAATATTGATGCAGTGGATAGAAGTTC  
 ATCCCCCTAGCAGGACACTGCAAAGTCATAGTGAAACTTGTGGATGTAATGATAATGTGCCTGAGATG  
 TCCAAACCTCCATTTTTGCTATCAAAGAGGACGCTCCATTGGCGACTGTCATCGCCTGATTAGCG  
 TGTGACACCGTATTGAGCGCCAATGGGACGGTACCTGCTTGCACCCACATCCCTTCAAAT  
 GGTGTCCACTTCAAGAATTACTATTCACTTGTGCTGGACAGAGCTCTGGACCGAGAGACCATCGCTAAC  
 TATGACGTGGTTGTGACCGCCCGCATGGAGGCTCGCCCTCCCTGTGGGCCACGGCTAGCGTGTCTGTGG  
 AGGTGGCTGATGTGAACGACAACGTGCCTGCGTTCGCGCAGCCTGAATACACTGTGTTTGTGAAGGAGAA  
 TAATCCGCTGGCGGCACATTTTACGGTGTGACAGTGGACGCGGACGCGCAGGAGAACGCGCTGGT  
 TCCTACTCGTGGTGGAGAGGAGTGGGCGAGCGCTTGTGTCGAGCTATGTGTCTGTGACCGCCGAGA  
 GCGGCAAGGTGTTGCGACTGCAGCCTCTGGACCATGAGGAACTGGAGCTGCTGCAGTTCAGGTGAGCGC  
 GCGGGATGCTGGTGTGCCTGCCCTGGGAGCAATGTACTCTGCAGGTGTTTGTGCTGGATGAGAATGAC  
 AATGCACCCGCTCCTGGGCTCAGGGTGGAGGAGCAATATTGAGTTGTTGTCCCGCCAGTGAAGT  
 CCGGCCATGTGGTTGCGAAGGTGCGTGCAGTGGATGCGGACTCTGGCTACAACCGGTGGTTGTCTTACGA  
 GCTGCAGCCAGGACAGGCGCTGTGCGAGCCCGTTCGCGTGGGGTTATATACTGGTGAGATCAGCACC  
 ACACGTGTTCTGGATGAAGCGGACATGCCACGTCAACGCTTGTGGTGTGTTGAAGGACCACGGCGAGC  
 CACCGCTGACAGCTACGGCCACCTTTCTGGTGTCTTAGTGGAGAACAGCCAGACACCCGAAGGTCTCATC  
 CAGAGTGTGGTTGGAACCTCTGGTTCAGACTCCACACTGATAGATGTCAACGTGTACCTGATCATCGCC  
 ATCTGCGCGGTGCCAGCTTGTGGTGTCCACCTGTGTTGTACACAGCGCTGCGCTGCTCCGCGACAC  
 CCACAGATGGAGTCTGTGCTCCAGGGAAGCCATGCTGGTGTGCTCTAGTGAGGTGGGGACCTGGTCTTA  
 CTGCGCAGCAGAGGCGACAGAAGGTGTGCTCTGGAGAGGGTCCACCAAGACCGACCTCATGGCCTTCAGC  
 CCCAGCTACCTCAGGGACCCAGCTCTTCAAGAAATCCCGACAGCCCAACCTGACTGGCGCTACTCTG  
 CCTCGCTAAGAGCCGGCATGCACAGCTCTGTGCACCTGGAGGAGGCTGGCATTCTACGGCTGGTCCAGG  
 AGGGCCTGATCAACAGTGGCCAACAGTATCCAGTGCAACACCAGAACCAGAGGCAGGAGAGGTGTCCCCT  
 CCAGTGGGCGCTGGTGTCAACAGCAACAGCTGGACCTTAAATACGGACCCGGCAACCCCAAACAGCCCG  
 GTCCCGGTGAGTTGCCAGACAAATTCATTATCCAGGATCTCTGCAATCATCTCCATCCGGCAGGAGTC  
 TGCTAACAAACAAATTGACAAAAGCGATTTTATAACCTTCGGCAAAAAGGAGGAGACCAAGAAAAAGAAG  
 AAAAAGAAGAAGGTAACAAGACCCAGGAGAAAAAAGAGAAAGGGAACAGCACGACGACGACAAACAGTGACC  
 AGTGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

<b>ACCN:</b>	NM_199505
<b>Insert Size:</b>	2805 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>	<a href="#">NM_199505.4</a> , <a href="#">NP_955799.1</a>
<b>RefSeq Size:</b>	5385 bp
<b>RefSeq ORF:</b>	2805 bp
<b>Locus ID:</b>	393087
<b>Cytogenetics:</b>	18p11
<b>Gene Summary:</b>	member of a family of synaptic cadherins and Reelin receptors, integral plasma membrane proteins that may play a critical role in maintaining specific cell-cell interactions in the brain [RGD, Feb 2006]