

## Product datasheet for **MG209688**

### **Pcdha4 (BC060211) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Pcdha4 (BC060211) Mouse Tagged ORF Clone |
| Tag:                      | TurboGFP                                 |
| Symbol:                   | Pcdha4                                   |
| Synonyms:                 | Cnr1; Crnr1; R75250                      |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-AC-GFP (PS100010)                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                   |



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**ORF Nucleotide Sequence:**

>MG209688 representing BC060211  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAATTTTCTGGGAAGTGCCAGGAATCCCAGCGCTTGCTCTTTCTTTCTGCTTCTTGCATCT  
 GGGAGGCAGGGAACAGCCAGATCCACTACTCCATCCCTGAGGAGGCCAAACACGGCACCTTCGTGGGCCG  
 CATCGCGCAGGACCTGGGGCTGGAGCTGACGGAGCTGGTCCCCCGCTGTTCCAGAGTGGCGTCCAAGGAC  
 CGCGGAGACCTTCTGGAGGTAATCTGCAGAATGGCATTGTTGTTGTGAATTCTCGGATCGACCGGGAGG  
 AGCTGTGCGGGCGGAGCGGGAGTGCAGCATCCACCTGGAGGTGATCGTGGACAGGCCGTTGCAGGTTTT  
 CCACGTGGAGGTGGAGGTGAGGGACATTACGACAACCCCTCCAGGTTCCCAACAACACAAAAGAATCTG  
 TTCATTGCAGAATCAAGGCCACTTGACACTTGGTTTTCCACTAGAGGGCGCTTCAGACGCAGATATCGGAA  
 TCAATGCTGTACTGACTACAGACTGAGTCCAAATGATTACTTTTCTTTGGAAAAACCATCAACGACGA  
 ACGGGTAAAAGGTCTTGGACTTGTATTACGAAATCTTTAGACCGGGAGGAACTCCAGAGATAATTTTA  
 GTGCTTACTGTCACGGACGGAGGAAAGCCAGAGCTGACCGGCAGTGTTCAGTTACTCATCACTGTGCTGG  
 ATGCCAATGATAATGCTCCAGTTTTGACAGATCTCTGTATACCGTGAAATTACCAGAAAACGTTCCAAA  
 TGGGACATTGGTAGTCAAAGTCAATGCCTCAGATTTAGACGAAGGGGTAATGGGGATATTATGACTCA  
 TTTTCTACAGATATTTACCAAAATGTGAAATACAAATCCACATAGACCCGTGTTAGCGGAGAGATTATTG  
 TAAAGGGATACATTGATTTTGAAGAATGCAAAATCCTATGAAATTTCTATAGAGGGAATTGACAAGGGACA  
 ACTTCCACTCTCTGGGCACTGTAAGTCAATTGTACAAGTTGAAGACATCAACGATAATGTTCCAGAATTG  
 GAATTCAAATCTCTATCACTTCCAATACGAGAGAATTCTCCAGTGGGCACTGTATCGCCTCATTAGTG  
 TGCTGTGATCGGGACCGGGTGTCAACGGGCAAGTGCCTGCTCCCTGACAAGTCATGTCCTTCAAGTT  
 GGTGTCCACATTCAAGAATTACTATTCGCTCGTGTGGACAGCGCCCTGGACAGAGAGACAACAGCGGAC  
 TATAAGGTGGTGGTACAGCGCGGGATGGGGCTCTCCCTCGCTGTGGCCACGGCTAGCGTGTCTGTTG  
 AGGTTGCTGACGTGAACGACAATGCACCTGTGTTGCGCAGCCCGAATACACGGTGTTCGTGAAGGAGAA  
 CAACCCGCTGGTGCACATCTTACGGTGTGAGCGATGGATGCGGACGCACAGGAGAACGCGCTGGT  
 TCCTACTCGTGGTGGAGCGGAGGGTGGGCGAGCGCTTGTGTGAGCTATGTGTCTGTGCACGCGGAGA  
 GCGGCAAGGTGTTCGCGTGCAGCCTCTGGACATGAGGAGCTGGAGCTGCTGCGGTTCCAGCCCCGGCA  
 GCCCAACCCTGACTGGCCTACTCTGCCTCGCTAAGAGCAGGCATGCACAGCTCTGTGCACCTGGAGGAG  
 GCTGGCATTCTACGGCTGGTCCAGGAGGGCTGATCAGCAGTGGCCAACAGTATCCAGTCAACACCAG  
 AACCTGAGGCAGGAGAGGTGTCCTCCCGTGGGCGCCGGTGTCAACAGCAACAGCTGGACCTTTAATA  
 CGGACCAGGCAACCCCAACAGTCCGGTCCCGAACCTAAAAAGCAGACCCAGGTTTCTTTCTCCCCCGC  
 CGCAAAGGAGAAGCTTCCAGCCCCGCCAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG209688 representing BC060211  
 Red=Cloning site Green=Tags(s)

MEFSWGSQESQRLLLSFLLLAWEAGNSQIHYSIPEEAKHGTFVGRIAQDLGLELTELVPRLFVASKD  
 RGDILLEVNQLQNGILFVNSRIDREELCGRSAECSIHLEVIIVDRPLQVHFVEVEVRDINDNPPRFPTTQKNL  
 FIAESRPLDTWFLLEGASDADIGINAVLTYRLSPNDYFSLKPSNDEKGLGLVLRKSLDREETPEIIL  
 VLTVTDGGKPEL TGSVQLLITVLDANDNAPVFDRLSYTVKLPENVPNGTLVVKVNASDLDEGVNGDIMYS  
 FSTDISPNNVYKFKHIDPVSGEIIVKGYIDFEECKSYEILIEGIDKGQLPLSGHCKVIVQVEDINDNPEL  
 EFKSLSLPIRENSPVGTVIALISVSDRDTGVNGQVTCSLTSHVPFKLVSTFKNYSYLVLDSALDRETTAD  
 YKVVVTARDGGSPSLWATASVSEVADVNDNAPVFAQPEYTVFVKENPPGAHIFTVSAMDADAQENALV  
 SYSLVERRVGERLLSSYVSVHAESGKVFALQPLDHEELELLRFQRPQPNPDWRYASLRAGMHSSVHLEE  
 AGILRAGPGGPDQWPTVSSATPEPEAGEVSPVVGAGVNSNSWTFKYGPGNPKQSGPEPKKQTQVSFLPR  
 RKGEASQPRQ

**TRTRPLE** - GFP Tag - V



|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <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="#">BC060211</a> , <a href="#">AAH60211</a>   |
| <b>RefSeq Size:</b>           | 4166 bp   |
| <b>RefSeq ORF:</b>            | 1922 bp   |
| <b>Locus ID:</b>              | 12936   |
| <b>Cytogenetics:</b>          | 18 B2- B3   |
| <b>Gene Summary:</b>          | Calcium-dependent cell-adhesion protein involved in cells self-recognition and non-self discrimination (Probable). Thereby, it is involved in the establishment and maintenance of specific neuronal connections in the brain (PubMed:27161523).[UniProtKB/Swiss-Prot Function]   |