

## Product datasheet for **MC222702**

### **Pcdhga7 (NM\_033590) Mouse Untagged Clone**

#### **Product data:**

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Pcdhga7 (NM_033590) Mouse Untagged Clone |
| Tag:                      | Tag Free                                 |
| Symbol:                   | Pcdhga7                                  |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**Fully Sequenced ORF:**

>MC222702 representing NM\_033590  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGCCTGGACAGAGAGGCTGGGGCTCGCACTACAGAGGATTGTGCTGCTCTCCATTCTCCTGGGA  
 TCGGTTGGGAAGCCTGGGCAGGACAGATTCTCTACTCCGTGTCTGAAGAGACAGACAAGGGATCTTTGT  
 GGGAAATATACCAAGGATCTGGGACTGCAACCTCGGGAGCTGGCGGAGCGCGGGGTCCGCATCATCACC  
 AAAGGTAAGACCCAGCTTTTCTCTCTGAACCCGCGGAGCGGCAGCCTGGTCACCGCGGCAGGATAGATC  
 GGGAGGAGCTGTGCGCTCAGAGCCCGGATGTCTCGTGAGCTTTAACATCTTGATAGAAGACAAGATGAA  
 TCTTTACCCTATAGAGGTGAAATAATGGATGTTAATGACAACGCTCCAGATTCTAACAGAAGAAATA  
 AACATAAAATTATGGAGAATGCAGCTCCTGGGTGCGGTTTCCACTAAAGGAAGCTACAGATTCAGACG  
 TGGGAAGAAGCTCCCTCCAGAGATACCAGCTCAGCCCCAATCACCATTCTCCCTGGTTGTGCAAGTGG  
 AGATGATGGCACCAAGTACCCAGAAGTGGTGTGAGAGGCTCTTGATCGGGAAGAAGAGGGGCTTCAC  
 CATCTGGTCTCAGACCTATGATGGCGGGGACCGCTCCGATCTGGCACTGCCAGCATCCGCGTGACAG  
 TGGTGGATGTGAATGATCACACGCCAGTCTTCTCTACCCCTGTATCAAGCGACAGTCCCTGAGAACGT  
 GCCAGTAGGCACAAGACTTCTACTGTAATGCTATCGACTTGGATGAGGGAATCTATGGGGAAGTGACT  
 TATTCTTTCTGGAAAATAACTCCAGAAGTCTACAAATATTCCATCTGAGCTCCCTGACAGGAGAGCTGT  
 CGACTTTAAAAGTCTAGATTATGAGCAATCCAGCTTCTATGAGCTGGAAGTTCAAGCTCAAGATGGTGC  
 TGGCAGTCTGACCAAGGCAAAAGTACTGATCACAGTTTGGATGTGAATGACAATGCCCAAGAAGTGACT  
 GTCACATCTGTGAGCAGCCAGTCCCTGAAGACACGCCACCTGGGACAGTGATCGCTCTCTTCTACCTCC  
 AAGACAAAGATTGCGGGAAGAATGGTGAAGTGACCTGCTCTTTGCCAGAAAACCTGCCTTTTAAGTTAGA  
 GCGATCAATTGATAATTATTACAGGTTGGTGCAGGCACGAAACCTGGACCGGGAAGAAGATGTCTGTGTAC  
 AACATCACACTGAAGGCCACAGATGGTGAATCCCTCCCTGTCCACTGAAACTCGCATGTCCATTCATG  
 TGTGACACACCAACGACAACCCACCCACCTTTCCGACTCTTCTACTCTATCTACGTCCCGGAGAACAA  
 TCCAGAGGAGCTCCATCTTCTCGGTGACTGCACAAGACCCGGACAGTGACAAGAATGCCAAGTCACT  
 TACGCTTTAGCAGAAGACACCATCCAGGGGTACCGGTGTCGTCTACGTCTCCATCAACTCTGACACGG  
 GTATCCTATATGCACTTGGATCCTTCGACTATGAGCAATTCGGGATCTACAACCTCGAGTGACTGCTCG  
 TGACAGTGGGACCCACCTCTCAGCAGTAATGTGTCACTGAAACTCTTTGTGCTGGACAAGAATGATAAC  
 GCCCTGAGATCCTGTACCCTGCCCTGCCACTGATGGCTCCACAGGGGTGGAGCTGGCTCCCCGCTCTG  
 CAGAACCTGGATACCTAGTGACCAAGGTGGTAGCTGTGGACAAAGACTCAGGCCCAAATGCTTGGCTGTC  
 CTACCGCTGCTTAAAGCCAGTGAGCCAGGGCTTTTCTCAGTAGGGCTACACACTGGTGAGGTGCGCACA  
 GCAAGAGCCCTGCTGGACAGAGATGCGCTGAAACAGAACCTTGTGGTGGTTGTACAGGACCATGGCCAAC  
 CCCCACTCTCAGCCACTGTGACACTCACTGTGGCTGTGGCCAACAGCATTCCTGATGTCTAGCAGACCT  
 AGGCAGCATTAGGACCCCAAGTGAACCTGATGATTCAGATATCACCTCTACCTGGTGGTGGCAGTGGCC  
 ACTGTTTCCTGTGTTTTCTTGTCTTTGTCACTGTGTTATTGGCTCTCAGGCTGTGGCGTTGGCACAAT  
 CACACATGCTACAGGCTTCTTCAAGTGGTGGCTGGAAGATGTGCTGCCTGCCTCACACTTTGTAGTTTGA  
 CGGTGTCCAGGCTTTCTACAAACATATCCCATGAGGTTTCACTCACTGCAGACTCTCGAAAAAGCCAC  
 ATTATCTTCCCTCAGCCCAATTACGTGGATACACTTATCAGCCAAGATAGCTGTGAGAAAAGTGATTCTT  
 TGTTAACATCCATAGATTTTCAAGAATGTAAAGGTGAAGCCCAAGTTCCAGCAAGCCCGCCCAACAC  
 TGACTGGCGTTTCTCAAGCCAGAGACCCGGCACGAGCGGATCCCAAAATGGTGATGAAACTGGCACC  
 TGGCCCAACAACAGTTTGATACAGAGATGCTGCAAGCCATGATCTTGGCTCTGCCAGCGAAGCTGCTG  
 ATGGGAGCTCTACCCTGGGAGGGGGCGCTGGCACCATGGGTCTGAGCGCTCGATACGGACCCAGTTTAC  
 CCTGCAGCAGTGCCTGACTACCGCCAGAAGCTGTACATCCCTGGCAGCAATGCCACGCTGACCAATGCC  
 GCTGGCAAACGAGATGGCAAGGCTCCAGCAGGTGTAATGGCAACAAGAAGAAATCGGGCAAGAAGAGA  
 AGAAG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACCN:</b>                  | NM_033590                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Insert Size:</b>           | 2808 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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_033590.3, NP_291068.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>           | 4660 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2808 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 93715                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cytogenetics:</b>          | 18 B3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |