

## Product datasheet for **MG214198**

### **Pcdh7 (NM\_018764) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pcdh7 (NM\_018764) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Pcdh7  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG214198 representing NM\_018764  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGCTGAGGATGCGGACCACGGGATGGGCGCGGGCTGGTGTGGGCTGTTGTCTCCTTCTGCCGCTCT  
 GCTTCAGCCTGGCCGCCCAAGCAGCTGCTCCGGTACCGGTGGCCGAGGAGGGCCCGCCGACGTGCG  
 GATCGGCAATGTGGCCTCGGACCTGGGCATCGTGACCGGCTCCGGCGAGGTGACTTTCAGCCTTGAGTCT  
 GGTCTGAGTATCTGAAGATTGACAACCTCACCGGCGAGCTGAGCACCAGTGAGCGGCGCATCGACCGAG  
 AAAAGCTGCCCAATGTCAGATGATCTTCGACGAGAACGAATGTTTCTGGACTTCGAGGTGTCGGTGAT  
 AGGGCCCTCACAGAGCTGGGTGGACCTGTTTGAGGGTCCGGTTCATCGTGTGGACATCAACGATAACACG  
 CCCACCTTCCCGTCGCCGGTGTACGCTCACGGTGGAGGAGAACCAGCCCTGTAGGCACGCTCTACCTGC  
 TGCCACGGCCACCGATCGTGACTTTGGTTCGCAATGGCATCGAACGCTACGAGCTGCTCCAGGAGCCCGG  
 GGGTGGCGGCGCAGCGGCGAGGGAAGGCGCTTGGGGCCGGCGACAGCGCCCTACCCAGGGGGCGGC  
 GGAACAGCGCGAGCGGCGGGCTCTGGAGGCTCCAAGCGGCGCTGGACGCGCTGAGGGTGGCGGCG  
 GGACGAGTCTAGTGGCCGAAGCAGTGTGTTGAGCTTCAGGTGGCAGACACTCCAGACGGCGAGAAACA  
 ACCGCAGCTGATCGTGAAGGGGGCGCTGGACCGGAGCAGAGAGATTCTATGAGCTGACCTCCGAGTG  
 CGCGATGGGGGCGACCCACTCGGTCTTCGAGGCCATCTTGGGGTGTCTATCACCGACGTGAATGACA  
 ACAGCCCCCGCTTCGAGAAGAGCGTGTATGAGGCTGACCTGGCTGAGAACAGCGCTCCGGGCACCCCAT  
 CCTACAGTTGCGCGCCACCGATTTGGATGTAGGGTCAATGGACAGATCGAGTATGTATTTGGGGTGCC  
 ACCGAGTCGGTAAGACGGCTACTGCGCCTGGATGAAACGTCCGGCTGGCTCAGTGTCTTACACCGGATCG  
 ACCGCGAGGAAGTGAACAGTTGAGATTCACAGTAATGGCCCGTGACCGCGGCGAGCCCCCAAGACTGA  
 TAAGGCCACCGTAGTCTCAACATCAAAGACGAGAACGACAACGTTCCCTCCATCGAAATTCGAAAGATA  
 GGGCGCATCCCACTTAAGGACGGGTGGCAACGTAGCCGAAGATGTCTGGTGGACACCCCATCGCCC  
 TGGTTCAGGTGTCCGACCGTGACCAAGGCGAGAACGGGTAGTCACTGTACCGTGTGGAGACGTTCC  
 TTTCCAGCTTAAGCCAGCCAGCGACACAGAAGGCGATCAAACAAGAAAAAGTACTTCTGCACACATCA  
 GCCCACTAGACTATGAGACCACCGGGAGTTCAACGTGGTTCATAGTGTGGACTGTGCGACTGCCAGTCCCA  
 GCCTCTCCAGCAACAATTCCTTGGTGGTCAAGGTGGGAGACACTAATGACAACCTCCTGTCTTTGGCCA



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GTCTGTGGTTGAGGTTTACTTTCCAGAGAACAACATTCCTCCGGGGAGAGGGTAGCCACAGTCTGGCGACA  
 GATGCTGACAGCGGGAAGAATGCAGAGATCGCCTATTTACTGGACTCCTCAGTGTGGGGACTTTTGCCA  
 TCGATCCCGATTCTGGAGACATCCTGGTCAATACAGTACTGGACCGGGAGCAGACTGACAGGTATGAGTT  
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 GATAAAAAACGACAACGACCCTAAGTTTATGCAAGATGTCTTTACCTTTTATGTGAAGGAAAACCTACAAC  
 CCAACAGCCCTGTGGGGATGGTACCCTGATGGATGCTGACAAGGGACGGAATGCAGAGATGAGCCTGTA  
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 GACAGGGAAACATCAGACTACGTACACTTTCAGAGTGAAGGCTGTGGATGGGGGAGATCCTCCAGGTCGG  
 CCACAGCCACAGTCTCTCTCTTTGTGATGGATGAAAATGACAACGCTCCACAGTTACCTTCCAGAAA  
 CATTTCCTACACGTTGCTGCCACCTTCAAGTAATGTCAGGACAGTAGTAGCTACAGTGTAGCGACAGAC  
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 TTGATTCCACCAGTGGTGTGTTTCTTAGTGGGAAACTCACCCAGAAGCATTATGGCTGCACAGGCT  
 GGTGTGCAAGTGAATGACAGTGGCCAGCCTTCCAGTCCACTACGACTTGGTGCATGTATTTGCAAT  
 GAAAGTGTTCGAATGCAACTGTAAATTGACTCTCAGATAGTCCGAAGTTTGCATACCCACTCACCCAGG  
 ATATAGCTGGTGACCCAAGCTATGAAATTAGCAAAACAGAGACTTAGTATTGTCATTGGGGTGGTTGCTGG  
 CATTATGACAGTGATTCTAATCATTTTAAATTGTCATGATGGCAAGATACTGCAGGTCCAAAAATAAAAAAT  
 GGCTACGAAGCTGGCAAAAAAGACCATGAAGACTTTTTTACACCCAGCAGCATGACAAAATCTAAAAAGC  
 CTA AAAAGGACAAGAAAAACAAAAATCTAAGCAGCCACTCTACAGCAGTATCGTCACTGTGCAAGCTTC  
 TAAACCAATGGACAGAGGTATGATAGTGTCAATGAGAAGCTGTGAGACAGCCCAAGCATGGGCCGATAC  
 CGATCTGTTAATGGTGGGCTGGCAGTCCCAGCTGGCAAGGCATTACAAATCCAGTTCCCATTGCCTA  
 CTGTCCAGCTTCAACCCAGTACCAACTGCAGGGAAAAACATCAAGCTGTACAAGATCTACCACCAGC  
 CAACACATTTGTGGGAGCAGGAGACAACATTTCAATTGGATCAGATCACTGCTCCGAGTACAGCTGTCAA  
 ACAAGTAACAAGTACAGCAACAGATGCGTGTACATCCATACATTACGGTGTGGTGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG214198 representing NM\_018764  
 Red=Cloning site Green=Tags(s)

MLRMRRTGWARGWCLGCLLLPLCFSLAAKQLLRYRLAEEGPADVIRIGNVASDLGIVTGSSEVTFSL  
 GSEYLKIDNLTGELSTSERRIDREKLPQCQMIFDENECLDFEVSIVIGPSQSWVDLFEGRVIVLDINDNT  
 PTFPSPVLTVEENRPVGLYLLPTATDRDFGRNGIERYELLQEPGGGGSGEGRRLGPADSAPYPGGG  
 GNSASGGGSGSKRRRLDAPEGGGTSRSGRSSFELQVADTPDGEKQPQLIVKALDREQRDSYELTLRV  
 RDGGDPPRSSQAILRVLITDNDNSPRFEKSVYEADLAENSAPGTPILQLRATDLVGVNGQIEYVFGAA  
 TESVRRLLRLDETSGLSVLHRIDREEVNQLRFTVMARDRGQPPKTDKATVVLNIKDENDNVPSIEIRKI  
 GRIPLKDGVANVAEDVLVDTPIALVQVSDRDQGENGVVCTVVGDPVFPQLKPASDTEGDQNKKYFLHTS  
 APLDYETTREFNVVIVAVDSGSPSLSSNNSLVKVGDTNDNPPVFGQSVVEVYFPENNIPGERVATVLT  
 DADSGKNAEIAYSLDSSVMGTFIDPDSGDILVNTVLDREQTDREYEFKVNADKGIPLVQSTTVIVQVA  
 DKNDNDPKFMQDVFIFYKLENLQPNSPVMVTVMADKGRNAEMSLYIEENSNIIFIENDTGTIYSTMSF  
 DREHQTTYTRVKAVDGGDPPRSATATVSLFVMDENDNAPTIVTLPRNISIYTLPPSSNVRTVVATVLT  
 SDDGINADLNYSIVGGNPFKLFIDSTSGVVS LVGKLTQKHYGLHRLVVQVNDSGQPSQSTTTLVHVFN  
 ESVSNA TVIDSQIVRSLHTPLTQDIAGDPSYEISKQRLSIVIGVAGIMTVILIIILVMMARYCRSKNKN  
 GYEAGKDHEDFFTPQQHDKSKPKKDKKNKSKQPLYSIVTVEASKPNGQRYDSVNEKLSDSPSMGRY  
 RSVNGGPGSPDLARHYKSSPLPTVQLHPQSPTAGKKHQAVQDLPPANTFVGAGDNISIGSDHCSEYSCQ  
 TSNKYSKQMRVHPYITVFG

TRTRPLE - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<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>	<u><a href="#">NM_018764.2</a></u> , <u><a href="#">NP_061234.2</a></u>
<b>RefSeq Size:</b>	5610 bp
<b>RefSeq ORF:</b>	3210 bp
<b>Locus ID:</b>	54216
<b>Cytogenetics:</b>	5 C1