

Product datasheet for **MG215148**

Pcdh10 (NM_001098172) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pcdh10 (NM_001098172) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Pcdh10
Synonyms: 6430521D13Rik; 6430703F07Rik; mKIAA1400; OL-pc
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG215148 representing NM_001098172
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGATTGTGCTGTTATTCTTTGCCTTGCTCTGGATGGTGGACGGAGTCTTTTCCAGCTTCATTATACTG
 TGCAGGAAGAGCAGGAACATGGCACTTTCTGTTGGGAATATCGCTGAAGACCTGGGCTTGGACATTACAAA
 ACTTTTCAGCTCGCAGGTTTCAGACGGTGGCCAACCTCACGGACCCCTTACTTGGACCTCAATCTGGAGACC
 GGGGTTCTGTACGTAACGAGAAGATAGATCGCGAGCAAATCTGTAAGCAGAGCCCCTCTTGTGCTCTGC
 ACCTGGAGGTCTTCTGGAGAACCCGCTGGAGCTGTTCCGAGTGGAGATCGAAGTCTGGACATCAATGA
 CAACCCTCCCTCCTTCCCAGAGCCCGACCTGACAGTGGAGATCTCAGAGAGCGCCACGCCAGGCACCCGC
 TTTCCCTTGAGAGCGCCTTCGACCCAGACGTGGGGACCAACTCCTTGGCAGACTACGAGATAACCCCAA
 ATAGCTACTTCTCGTAGACGTACAGACCCAGGGAGATGGCAACCGATTGCGCCAACTGGTCTGGAGAA
 GCCACTGGACCGAGAACAGCAAGCGGTGCACCGCTACGTGCTGACCGCGGTGGACGGGGAGGAGGGGA
 GGAGGAGGGGAAGGAGGGGGAGGCGGTGGGGGAGCCGGCTGCCCCCAAGCAGCAGCGTACTGGCACGG
 CCTTGCTACCATCCGAGTGTCTGACTCCAACGACAATGTGCCCGCTTTTGACCAACCCGTCTACACAGT
 TTCCCTACCAGAGAATTCTCCCCTGGCAGCTAGTGTCCAGCTTAATGCCACCGACCCGTGATGAAGGC
 CAGAATGGCGAGGTCTGTACTGTTTCTGAGTACATTTTCCAGGCTCGGGAGCTCTCGGACTGT
 CGCCGCGCACCGCCGGCTGGAGGTGAGCGCGAGCTGGACTATGAAGAGAGCCAGTGTATCAGGTGTA
 TGTCCAAGCCAAGGACTTGGGTCCAATGCTGTGCCTGCGCACTGCAAGTTCTGGTGAGAGTGTGGAT
 GCCAACGACAACGCCAGAGATCAGCTTCAGCACAGTAAAAGAGGCGGTGAGCGAGGGTGGCGCCCTG
 GCACGGTGGTGGCTCTGTTGAGCGTACCGATCGGGACTCAGAGGAGAACGGGCAGGTGCAGTGTGAGCT
 TCTGGGAGACGTGCCGTTCCGCCTCAAGTCTTCTTCAAGAATTACTACACTATCGTGACCGAAGCCCTC
 TTGGACCGAGAGGCTGGGACTCTACACCCTGACCGTGGTGGCCCGGACCGGGGCGAGCTGCACTCT
 CCACCGTAAGTCGATCCAGGTTCAAGTGTGAGTGTGAATGACAATGCGCCGCGCTTCAGCCAGCCGGT
 CTACGACGTGATGTGACAGAAAACAATGTGCCGGTGCCTACATTTACGCGGTGAGCGCCACGGACCGC



[View online »](#)

GACGAAGGGGCCAATGCAAAATTAACCTACTCTATCCTAGAGTGCCAGATCCAAGGAATGAGTGTCTTCA
 CCTACGTGTCCATCAACTCAGACAACGGCTACTTGTACGCCCTGAGATCCTTCGACTATGAGCAGATCAA
 GGACTTCAGCTTCAAGTAGAAGCCCGGACGCCGGCAGTCCCCAGGCGCTGGCCGGCAATGCCACGGTC
 AACATCTTGATAGTGGATCAGAACGACAACGCCCCGCCATCGTGGCGCCCTCCGGGGCGCAACGGGA
 CTCCAGCCCGGAGGTGCTGCCCGCTCTGCCGAACCCGGCTACCTGCTCACTCGTGTGGCCGAGTGA
 CGCGGACGACGGCGAGAACGCCAGGCTCACCTACAGCATAGTGCAGGGCAACGAAATGAACCTCTTTCGA
 CTGGACTGGCGCACCCGAGAGCTCCGACCCGCGCCGGTCCCAGCCAAGCGCGACCCACAGCGGCCTT
 ATGAGCTGGTGATCGAGGTGCGCGACCACGGGCAGCCGCCCTGTCTCCACAGCCACCCTGGTGGTTCA
 GCTGGTGGATGGAGCGGTGGAGCCACAGGGCGGGGGACCGAGCGGAGGGTCTGGGGAACACCTG
 CGTCCCAGCCGCTCTGGCGGCGGGAACTTCACTGGACCTCACACTTATCCTTATCATCGCCCTGGGCT
 CGGTGTCTTTCATCTTCTGCTGGCCATGATCGTGTGGCGTGCCTGTGAGAAAGAGAAAAAAGCTCAA
 CATCTACAGTGTCTCGCGAGCGATTGCTGCCTCTGCTGCTGCTGCTGCGGCAATGGGAGCTCCACCTGC
 TGGCGCCCAAGCCCGGCGCGCAAGAAGAACTCAGCAAGTCAGATATCATGTTGGTGCAGAGCGCCA
 ACGTCCTAGCAACCCGGCCAGGTGCCGTAGAGGAGTCCGGAGGCTTCGGTCCCATCACCACAATCA
 GAACTATTGCTATCAGGTCTGCCTACCCCGGAGTCCGCCAAGACCGACCTGATGTTCTGAAGCCCTGC
 AGCCCTTCCCGGAGTACAGATGCTGAGCACAATCCCTGCGGAGCCATCGTACCAGGATACAGCGACCAGC
 AACCAGACATCATTTCCAACGGAAGCATTTTGTCCAACGAGAATAAACACCAGCGAGCAGAGCTCAGCTA
 TCTAGTTGACAGACCTCGCCGAGTTAACAGTCTGCATTCAGGAAGCTGACATAGTAAGCTCTAAGGAC
 AGTGGTATGGAGACAGTGAACAGGGAGACAGTATGATGTCACCAACCGTGGCCAGTCAAGTGGTA
 TGGATCTTTTCTCAACTGCACCGAGGAATGTAAGCACTGGGCCACTCTGACCGATGCTGGATGCCTTC
 TTTTGTCCCTTCGGATGGACGCCAGGCTGCAGATTACCGCAGCAACCTGCATGTCCCGGATGGACTCT
 GTTCCAGACACCGAGGTCTTTGAACCTCCAGAAGTCCAGCCTGGGCGAGAGCGCTCTTCTCCACTTTCCG
 GCAAAGAGAAGGCCCTGCATGGCACCCCTGGAGAGGAAGGATTGGACGGATTGCTGTCTAATACACGAGC
 GCCTTACAAACCACCATATTTGAATCATTTCCACCCCTTTTCTTGTGTTTGCACATTGGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG215148 representing NM_001098172
 Red=Cloning site Green=Tags(s)

MIVLLFFALLWMVDGVFSQLHYTVQEEQEHGTFVGNIAEDLGLDITKLSARRFQTVANSRTPYLDLNLLET
 GVLVYNEKIDREQICKQSPSCVLHLEVFLNPLELFRVEIEVLDINDNPPSFPEPDLTVEISESATPGTR
 FPLESADFDPDVGNSLRDYEITPNSYFSLDVQTQGDGNRFAELVLEKPLDREQQAVHRYVLTAVDGGGGG
 GGGEGGGGGGAGLPPQQRTGTALLTIRVLDSDNDNVPADFQPVYTVSLPENSPPGTLVIQLNATDPDEG
 QNGEVVYSFSSHISPRARELFGLSPRTGRLEVSGELDYEE SPVYQVYVQAKDLGPNVPAHCKVLVRVLD
 ANDNAPEISFSTVKEAVSEGAAPGTVVALFSVTDNRDSEENGQVQCELLGDVPFRLKSSFKNYITIVTEAP
 LDREAGDSYTLTVVARDRGEPAALSTSKSIQVQVSDVNDNAPRFSQPVYDVVVTENNVPGAYIYAVSATDR
 DEGANAKLTYSILECQIQMSVFTYVSINSDNGYLALRSFDYEQIKDFSQVEARDAGSPQALAGNATV
 NILIVDQNDNAPAIVAPLPGRNGTPAREVLPRSAEPGYLLTRVAAVDADDGENARLTYSIVRGNEMNLFR
 LDWRTGELRTARRVPAKRDPQRPYELVIEVRDHGQPPLSSTATLVVQLVDGAVEPQGGGGDRGGGSGEHL
 RPSRSGGGETSLLDLTLILIIALGSVSFIFLLAMIVLAVRCQKEKLNIIYCLASDCCLCCCCGNGSSTC
 CGRQARARKKLSKSDIMLVQSANVPSNPAQVPVEESGGFGSHHHNQNYCYQVCLTPESAKTDLMLFKPC
 SPSRSTDAEHNPCGAIVTGYSDQQPDIIISNGSILSNENKHQRAELSYLVDRPRRVNSSFQAEADIVSSKD
 SGHGDSEQGDSDHVTNRGQSAGMDLFSNCTEECKALGHSDRCWMPSPFVPSDGRQAADYRSNLHVPGMDS
 VPDTEVFPEPVEQPGAERSFSTFGKEKALHGTLEKELDGLLSNTRAPYKPPYLNHFHPLSCFAHWK

TRTRPLE - GFP Tag - V

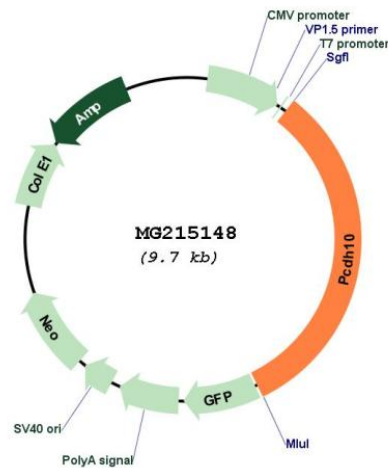
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001098172

ORF Size: 3141 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_001098172.1</u> , <u>NP_001091642.1</u>
RefSeq Size:	4241 bp
RefSeq ORF:	3144 bp
Locus ID:	18526
Cytogenetics:	3 B