

Product datasheet for **MG215284**

Pcdh10 (NM_001098170) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh10 (NM_001098170) 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:	>MG215284 representing NM_001098170 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTGTGCTGTTATTCTTTGCCTTGCTCTGGATGGTGGACGGAGTCTTTTCCAGCTTCATTATACTG
TGCAGGAAGAGCAGGAACATGGCACTTTCTGTTGGGAATATCGCTGAAGACCTGGGCTTGGACATTACAAA
ACTTTTCAGCTCGCAGGTTTCAGACGGTGGCCAACCTCACGGACCCCTTACTTGGACCTCAATCTGGAGACC
GGGTTTCTGTACGTAACGAGAAGATAGATCGCGAGCAAATCTGTAAGCAGAGCCCCTCTTGTGCTCTGC
ACCTGGAGGTCTTCTGGAGAACCCGCTGGAGCTGTTCCGAGTGGAGATCGAAGTCTGGACATCAATGA
CAACCCTCCCTCCTTCCCAGAGCCCGACCTGACAGTGGAGATCTCAGAGAGCGCCACGCCAGGCACCCGC
TTTCCCTTGAGAGCGCCTTCGACCCAGACGTGGGGACCAACTCCTTGCGAGACTACGAGATAACCCCAA
ATAGCTACTTCTCGTAGACGTACAGACCCAGGGAGATGGCAACCGATTGCGCCAACTGGTCTGGAGAA
GCCACTGGACCGAGAACAGCAAGCGGTGCACCGCTACGTGCTGACCGCGGTGGACGGGGAGGAGGGGA
GGAGGAGGGGAAGGAGGGGGAGGCGGTGGGGGAGCCGGCTGCCCCCAAGCAGCAGCGTACTGGCACGG
CCTTGCTACCATCCGAGTGTCTGACTCCAACGACAATGTGCCCGCTTTTGACCAACCCGTCTACACAGT
TTCCCTACCAGAGAATTCTCCCCTGGCACGCTAGTGATCCAGCTTAATGCCACCGACCCGTGATGAAGGC
CAGAATGGCGAGGTCTGTACTGTTTCTGATGTCACATTTACCCAGGGCTCGGGAGCTCTCGGACTGT
CGCCGCGCACCGCCGGCTGGAGGTGAGCGCGAGCTGGACTATGAAGAGAGCCAGTGTATCAGGTGTA
TGTCCAAGCCAAGGACTTGGGTCCAATGCTGTGCCTGCGCACTGCAAGTTCTGGTGAGAGTGTGGAT
GCCAACGACAACGCCACCAGAGATCAGCTTCAGCACAGTAAAAGAGCGGTGAGCGAGGGTGGCGCCCTG
GCACGGTGGTGGCTCTGTTACGCGTGACCGATCGGGACTCAGAGGAGAACGGGCAGGTGCAGTGTGAGCT
TCTGGGAGACGTGCCGTTCCGCCTCAAGTCTTCTTCAAGAATTACTACACTATCGTGACCGAAGCCCC
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CCACCAGTAAGTCGATCCAGGTTCAAGTGTGAGTGTGAATGACAATGCGCCGCGCTTCAGCCAGCCGGT
CTACGACGTGATGTGACAGAAAACAATGTGCCGGTGCCTACATTTACGCGGTGAGCGCCACGGACCGC



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GACGAAGGGGCCAATGCAAAATTAACCTACTCTATCCTAGAGTGCCAGATCCAAGGAATGAGTGTCTTCA
 CCTACGTGTCCATCAACTCAGACAACGGCTACTTGTACGCCCTGAGATCCTTCGACTATGAGCAGATCAA
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 CGCGGACGACGGCGAGAACGCCAGGCTCACCTACAGCATAGTGCAGGGCAACGAAATGAACCTCTTTCGA
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 CGGTGTCTTTCATCTTCTGCTGGCCATGATCGTGTGGCGTGCCTGTGAGAAAGAGAAAAAAGCTCAA
 CATCTACAGTGTCTCGCGAGCGATTGCTGCCTCTGCTGCTGCTGCTGCGGCAATGGGAGCTCCACCTGC
 TGGCGCCCAAGCCCGGCGCGCAAGAAGAACTCAGCAAGTCAGATATCATGTTGGTGCAGAGCGCCA
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 AACCAGACATCATTTCCAACGGAAGCATTTTGTCCAACGAGAATAAACACCAGCGAGCAGAGCTCAGCTA
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 AGTGGTATGGAGACAGTGAACAGGGAGACAGTATGATGTCACCAACCGTGGCCAGTCACTGGTGA
 TGGATCTTTTCTCAACTGCACCGAGGAATGTAAGCACTGGGCCACTCTGACCGATGCTGGATGCCTTC
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 GCAAAGAGAAGCCCTGCATGGACCCCTGGAGAGGAAGGAGTTGGACGGATTGCTGTCTAATACACGAGC
 GCCTTACAAACCACCATATTTGAAAATGCTGTGGATGCAGCTGCCGTGGAGAGGCTCATTTAACGAAAGAT
 GGAGGCAAGCAAAACAACCACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG215284 representing NM_001098170

Red=Cloning site Green=Tags(s)

MIVLLFFALLWMVDGVFSQLHYTVQEEQEHGTFVGNIAEDLGLDITKLSARRFQTVANSRTPYLDLNLLET
 GVLVYNEKIDREQICKQSPSCVLHLEVFLENPLELFRVEIEVLDINDNPPSFPEPDLTVEISESATPGTR
 FPLESADFDPDVTNSLRDYEITPNSYFSLDVQTQGDGNRAELVLEKPLDREQQAVHRYVLTAVDGGGGG
 GGGEGGGGGGAGLPPQQQRTGTALLTIRVLDSNDNVPADFQPVYTVSLPENSPPGTLVIQLNATDPDEG
 QNGEVVYFSSHISPRARELFGLSPRTGRLEVSGELDYEE SPVYQVYVQAKDLGPNVAVPAHCKVLVRVLD
 ANDNAPEISFSTVKEAVSEGAAPGTVVALFSVTDNRDSEENGQVQCELLGDVPFRKSSFKNYITIVTEAP
 LDREAGDSYTLTVVARDRGEPAALSTSKSIQVQVSDVNDNAPRFSQPVYDVVVTENNVPGAYIYAVSATDR
 DEGANAKLTYSILECQIQGMSVFTYVINSNDNGYLALRSFDYEQIKDFSQVEARDAGSQALAGNATV
 NILIVDQNDNAPAIVAPLPGRNGTPAREVLPRSAEPGYLLTRVAAVDADDGENARLTYSIVRGNEMNLF
 LDWRTGELRTARRVPAKRDPQRPYELVIEVRDHGQPPLSSTATLVVQLVDGAVEPQGGGDRGGGSGEHL
 RPSRSGGGETSLDLTLILIIALGSVSFIFLLAMIVLAVRCQKEKLNITYTCLASDCCLCCCCGNGSSTC
 CGRQARARKKKL SKSDIMLVQSANVPSNPAQVPVEESGGFGSHHHNQNYCYQVCLTPESAKTDLMLFKPC
 SPSRSTDAEHNPCGAIVTGYSQQPDII SNGSILSNENKHQRAELSYLVDRPRRVNSSAFQEADIVSSKD
 SGHGDSEQGDSDHDVTNRGQSAGMDLFSNCTEECKALGHSRDCWMP SFVPSDGRQAADYRSNLHVPGMDS
 VPDTEVFEPPEVQPGAERSFSTFGKEKALHGT LERKELDGLLSNTRAPYKPPYLKMLWMQLRGEAHLTKD
 GKQTTT

TRTRPLE - GFP Tag - V

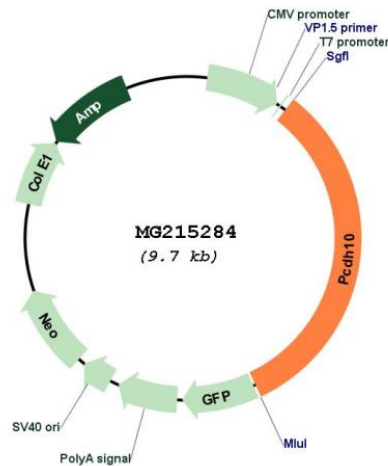
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001098170

ORF Size: 3171 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_001098170.1, NP_001091640.1</u>
RefSeq Size:	6064 bp
RefSeq ORF:	3174 bp
Locus ID:	18526
Cytogenetics:	3 B