

Product datasheet for **MG215362**

Pcdh10 (NM_001098171) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh10 (NM_001098171) 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:	>MG215362 representing NM_001098171 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTGTGCTGTTATTCTTTGCCTTGCTCTGGATGGTGGACGGAGTCTTTCCAGCTTCATTATACTG
TGCAGGAAGAGCAGGAACATGGCACTTTCTGTTGGGAATATCGCTGAAGACCTGGGCTTGGACATTACAAA
ACTTTTCAGCTCGCAGGTTTCAGACGGTGGCCAACCTCACGGACCCCTTACTTGGACCTCAATCTGGAGACC
GGGTTTCTGTACGTAACGAGAAGATAGATCGCGAGCAAATCTGTAAGCAGAGCCCCTCTTGTGCTCTGC
ACCTGGAGGTCTTCTGGAGAACCCGCTGGAGCTGTTCCGAGTGGAGATCGAAGTCTGGACATCAATGA
CAACCCTCCCTCCTTCCCAGAGCCCGACCTGACAGTGGAGATCTCAGAGAGCGCCACGCCAGGCACCCGC
TTTCCCTTGAGAGCGCCTTCGACCCAGACGTGGGGACCAACTCCTTGCGAGACTACGAGATAACCCCAA
ATAGCTACTTCTCGTAGACGTACAGACCCAGGGAGATGGCAACCGATTGCGCCGAATGGTCTGGAGAA
GCCACTGGACCGAGAACAGCAAGCGGTGCACCGCTACGTGCTGACCGCGGTGGACGGGGAGGAGGGGA
GGAGGAGGGGAAGGAGGGGGAGGCGGTGGGGGAGCCGGCTGCCCCCAAGCAGCAGCGTACTGGCACGG
CCTTGCTACCATCCGAGTGTCTGACTCCAACGACAATGTGCCCGCTTTGACCAACCCGTCTACACAGT
TTCCCTACCAGAGAATTCTCCCCTGGCAGCTAGTGTCCAGCTTAATGCCACCGACCCGTGATGAAGGC
CAGAATGGCGAGGTCTGTACTGTTTCAGTAGTCACATTTCAACCCAGGGCTCGGGAGCTCTCGGACTGT
CGCCGCGCACCGCCGGCTGGAGGTGAGCGGCGAGCTGGACTATGAAGAGAGCCAGTGTATCAGGTGTA
TGTCCAAGCCAAGGACTTGGGTCCAATGCTGTGCCTGCGCACTGCAAGTTCTGGTGAGAGTGTGGAT
GCCAACGACAACGCCAGAGATCAGCTTCAGCACAGTAAAAGAGGCGGTGAGCGAGGGTGGCGCCCTG
GCACGGTGGTGGCTCTGTTACGCGTGACCGATCGGGACTCAGAGGAGAACGGGCAGGTGCAGTGTGAGCT
TCTGGGAGACGTGCCGTTCCGCCTCAAGTCTTCTTCAAGAATTACTACACTATCGTGACCGAAGCCCC
TTGGACCGAGAGGCTGGGACTCCTACACCCTGACCGTGGTGGCCGCGACCGGGGCGAGCCTGCACTCT
CCACCAGTAAGTCGATCCAGGTTCAAGTGTGAGTGTGAATGACAATGCGCCGCGCTTCAGCCAGCCGGT
CTACGACGTGATGTGACAGAAAACAATGTGCCGGTGCCTACATTTACGCGGTGAGCGCCACGGACCGC



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GACGAAGGGGCCAATGCAAAATTAACCTACTCTATCCTAGAGTGCCAGATCCAAGGAATGAGTGTCTTCA
 CCTACGTGTCCATCAACTCAGACAACGGCTACTTGTACGCCCTGAGATCCTTCGACTATGAGCAGATCAA
 GGACTTCAGCTTTCAAGTAGAAGCCCGGACGCCGGCAGTCCCCAGGCGCTGGCCGGCAATGCCACGGTC
 AACATCTTGATAGTGGATCAGAACGACAACGCCCCGCCATCGTGGCGCCCTTCCGGGGCGCAACGGGA
 CTCCAGCCCGGAGGTGCTGCCCGCTCTGCCGAACCCGGCTACCTGCTCACTCGTGTGGCCGAGTGGA
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 ATGAGCTGGTGATCGAGGTGCGCGACCACGGGCAGCCGCCCTGTCTCCACAGCCACCCTGGTGGTTCA
 GCTGGTGGATGGAGCGGTGGAGCCACAGGGCGGGGGACCGAGCGGAGGGTCTGGGGAACACCTG
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 CGGTGTCCTTTCATCTTCTGCTGGCCATGATCGTGTGGCGTGCCTGTGAGAAAGAGAAAAAAGCTCAA
 CATCTACAGTGTCTCGCGAGCGATTGCTGCCTCTGCTGCTGCTGCTGCGGCAATGGGAGCTCCACCTGC
 TGGCGCCCAAGCCCGGCGCGCAAGAAGAACTCAGCAAGTCAGATATCATGTTGGTGCAGAGCGCCA
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 GAACTATTGCTATCAGGTCTGCCTCACCCGGAGTCCGCCAAGACCGACCTGATGTTCTGAAGCCCTGC
 AGCCCTTCCCGGAGTACAGATGCTGAGCACAATCCCTGCGGAGCCATCGTACCAGGTTACAGCGACCAGC
 AACCGACATCATTTCCAACGGAAGCATTTTGTCCAACGAGAATAAACACCAGCGAGCAGAGCTCAGCTA
 TCTAGTTGACAGACCTCGCCGAGTTAACAGTCTGCATTCCAGGAAGCTGACATAGTAAGCTCTAAGGAC
 AGTGGTATGGAGACAGTGAACAGGGAGACAGTATGATGTCACCAACCGTGGCCAGTCAAGTGGTA
 TGGATCTTTTCTCAACTGCACCGAGGAATGTAAGCACTGGGCCACTCTGACCGATGCTGGATGCCTTC
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 GTTCCAGACACCGAGGTCTTTGAACCTCCAGAAGTCCAGCCTGGGGCAGAGCGCTCTTCTCCACTTTCCG
 GCAAAGAGAAGGCCCTGCATGGCACCTGGAGAGGAAGGATTGGACGGATTGCTGTCTAATACACGAGC
 GCCTTACAAACCACCATATTTGACGCGGAAAAGGATATGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG215362 representing NM_001098171
 Red=Cloning site Green=Tags(s)

MIVLLFFALLWMVDGVFSQLHYTVQEEQEHGTFVGNIAEDLGLDITKLSARRFQTVANSRTPYLDLNLLET
 GVLVYNEKIDREQICKQSPSCVHLHLEVFLNPLELFRVEIEVLDINDNPPSFPEPDLTVEISESATPGTR
 FPLESADFDPDVGNTSLRDYEITPNSYFSLDVQTQGDGNRFAELVLEKPLDREQQAVHRYVLTAVDGGGGG
 GGGEGGGGGGAGLPPQQRTGTALLTIRVLDSDNDNVPADFQPVYTVSLPENSPPGTLVIQLNATDPDEG
 QNGEVVYFSSHISPRARELFGLSPRTGRLEVSGELDYEE SPVYQVYVQAKDLGPNVPAHCKVLVRVLD
 ANDNAPEISFSTVKEAVSEGAAPGTVVALFSVTDNRDSEENGQVQCELLGDVPFRLKSSFKNYTIVTEAP
 LDREAGDSYTLTVVARDRGEPAALSTSKSIQVQVSDVNDNAPRFSQPVYDVYVTENNVPYAYIYAVSATDR
 DEGANAKLTYSILECQIQMSVFTYVSINSDNGYLALRSFDYEQIKDFSQVEARDAGSPQALAGNATV
 NILIVDQNDNAPAIIVAPLPGRNGTPAREVLPRSAEPGYLLTRVAAVDADDGENARLTYSIVRGNEMNLFR
 LDWRTGELRTARRVPAKRDPQRPYELVIEVRDHGQPPLSSTATLVVQLVDGAVEPQGGGGDRGGGSGEHL
 RPSRSGGGETSLLDLTLILIIALGSVSFIFLLAMIVLAVRCQKEKLNIIYTCCLASDCCLCCCCGNGSSTC
 CGRQARARKKLSKSDIMLVQSANVPSNPAQVPVEESGGFGSHHHNQNYCYQVCLTPESAKTDLMLFKPC
 SPSRSTDAEHNPCGAIVTGYSQQPDIIISNGSILSNENKHQRAELSYLVDRPRRVNSSFQAEADIVSSKD
 SGHGDSEQGDSDHVTNRGQSAGMDLFSNCTEECKALGHSDRCWMPSPFVPSDGRQAADYRSNLHVPGMDS
 VPDTEVFEPPEVQPGAERSFSTFGKEKALHGTLEKELDGLLSNTRAPYKPPYLTRKRIC

TRTRPLE - GFP Tag - V

Restriction Sites:

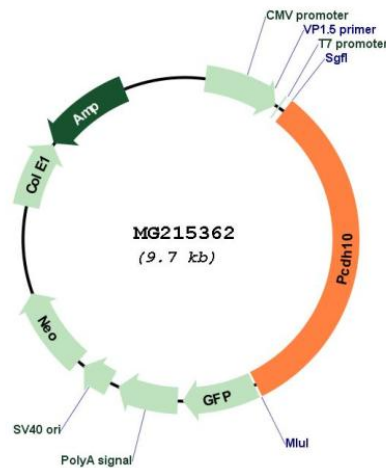
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001098171

ORF Size: 3120 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_001098171.1</u> , <u>NP_001091641.1</u>
RefSeq Size:	8263 bp
RefSeq ORF:	3123 bp
Locus ID:	18526
Cytogenetics:	3 B