OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR215284

Pcdh10 (NM_001098170) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh10 (NM_001098170) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcdh10
Synonyms:	6430521D13Rik; 6430703F07Rik; mKIAA1400; OL-pc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR215284 representing NM_001098170
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATTGTGCTGTTATTCTTTGCCTTGCTCTGGATGGTGGACGGAGTCTTTTCCCAGCTTCATTATACTG
TGCAGGAAGAGCAGGAACATGGCACTTTCGTGGGGAATATCGCTGAAGACCTGGGCTTGGACATTACAAA
ACTTTCAGCTCGCAGGTTTCAGACGGTGGCCAACTCACGGACCCCTTACTTGGACCTCAATCTGGAGACC
GGGGTTCTGTACGTAAACGAGAAGATAGATCGCGAGCAAATCTGTAAGCAGAGCCCCTCTTGTGTCCTGC
ACCTGGAGGTCTTTCTGGAGAACCCGCTGGAGCTGTTCCGAGTGGAGATCGAAGTGCTGGACATCAATGA
CAACCCTCCCTCCTTCCCAGAGCCCGACCTGACAGTGGAGATCTCAGAGAGCGCCACGCCAGGCACCCGC
TTTCCCTTGGAGAGCGCCTTCGACCCAGACGTGGGGACCAACTCCTTGCGAGACTACGAGATAACCCCAA
ATAGCTACTTCTCGCTAGACGTACAGACCCAGGGAGATGGCAACCGATTCGCCGAACTGGTCCTGGAGAA
GCCACTGGACCGAGAACAGCAAGCGGTGCACCGCTACGTGCTGACCGCGGTGGACGGGGGAGGAGGGGGA
GGAGGAGGGGAAGGAGGGGGAGGCGGTGGGGGAGCCGGCCTGCCCCCCCAGCAGCAGCGTACTGGCACGG
CCTTGCTCACCATCCGAGTGCTCGACTCCAACGACAATGTGCCCGCTTTTGACCAACCCGTCTACACAGT
TTCCCTACCAGAGAATTCTCCCCCTGGCACGCTAGTGATCCAGCTTAATGCCACCGACCCTGATGAAGGC
CAGAATGGCGAGGTCGTGTACTCGTTCAGTAGTCACATTTCACCCAGGGCTCGGGAGCTCTTCGGACTGT
CGCCGCGCACCGGCCGGCTGGAGGTGAGCGGCGAGCTGGACTATGAAGAGAGCCCAGTGTATCAGGTGTA
TGTCCAAGCCAAGGACTTGGGTCCCAATGCTGTGCCTGCGCACTGCAAGGTTCTGGTGAGAGTGCTGGAT
GCCAACGACAACGCACCAGAGATCAGCTTCAGCACAGTGAAAGAGGCGGTGAGCGAGGGTGCGGCCCCTG
GCACGGTGGTGGCTCTGTTCAGCGTGACCGATCGGGACTCAGAGGAGAACGGGCAGGTGCAGTGTGAGCT
TCTGGGAGACGTGCCGTTCCGCCTCAAGTCTTCCTTCAAGAATTACTACACTATCGTGACCGAAGCCCCC
TTGGACCGAGAGGCTGGGGACTCCTACACCCTGACCGTGGTGGCCCGCGACCGGGGCGAGCCTGCACTCT
CCACCAGTAAGTCGATCCAGGTTCAAGTGTCAGATGTGAATGACAATGCGCCGCGCTTCAGCCAGCCGGT
CTACGACGTGTATGTGACAGAAAACAATGTGCCGGGTGCCTACATTTACGCGGTGAGCGCCACGGACCGC

View online »

GACGAAGGGGCCAATGCAAAATTAACCTACTCTATCCTAGAGTGCCAGATCCAAGGAATGAGTGTCTTCA
CCTACGTGTCCATCAACTCAGACAACGGCTACTTGTACGCCCTGAGATCCTTCGACTATGAGCAGATCAA
GGACTTCAGCTTTCAAGTAGAAGCCCGGGACGCCGGCAGTCCCCAGGCGCTGGCCGGCAATGCCACGGTC
AACATCTTGATAGTGGATCAGAACGACAACGCCCCCGCCATCGTGGCGCCCCTTCCGGGGCGCAACGGGA
CTCCAGCCCGCGAGGTGCTGCCGCGCTCTGCCGAACCCGGCTACCTGCTCACTCGTGTGGCCGCAGTGGA
CGCGGACGACGGCGAGAACGCCAGGCTCACCTACAGCATAGTGCGGGGCAACGAAATGAACCTCTTTCGA
CTGGACTGGCGCACCGGAGAGCTCCGCACCGCGCGCCGGGTCCCAGCCAAGCGCGACCCCCAGCGGCCTT
ATGAGCTGGTGATCGAGGTGCGCGACCACGGGCAGCCGCCCCTGTCCTCCACAGCCACCCTGGTGGTTCA
GCTGGTGGATGGAGCGGTGGAGCCACAGGGCGGGGGCGGGGACCGAGGCGGAGGGTCTGGGGAACACCTG
CGTCCCAGCCGCTCTGGCGGCGGGGAAACTTCACTGGACCTCACACTTATCCTTATCATCGCCCTGGGCT
CGGTGTCCTTCATCTTCCTGCTGGCCATGATCGTGTTGGCCGTGCGCTGTCAGAAAGAGAAAAAACTCAA
CATCTACACGTGTCTCGCGAGCGATTGCTGCCTCTGCTGCTGCTGCTGCGGCAATGGGAGCTCCACCTGC
TGCGGCCGCCAAGCCCGGGCGCGCAAGAAGAAACTCAGCAAGTCAGATATCATGTTGGTGCAGAGCGCCA
ACGTCCCTAGCAACCCGGCCCAGGTGCCGGTAGAGGAGTCCGGAGGCTTCGGTTCCCATCACCACAATCA
GAACTATTGCTATCAGGTCTGCCTCACCCCGGAGTCCGCCAAGACCGACCTGATGTTCCTGAAGCCCTGC
AGCCCTTCCCGGAGTACAGATGCTGAGCACAATCCCTGCGGAGCCATCGTCACCGGGTACAGCGACCAGC
AACCAGACATCATTTCCAACGGAAGCATTTTGTCCAACGAGAATAAACACCAGCGAGCAGAGCTCAGCTA
TCTAGTTGACAGACCTCGCCGAGTTAACAGTTCTGCATTCCAGGAAGCTGACATAGTAAGCTCTAAGGAC
AGTGGTCATGGAGACAGTGAACAGGGAGACAGTGATCATGATGTCACCAACCGTGGCCAGTCAGCTGGTA
TGGATCTTTTCTCCAACTGCACCGAGGAATGTAAAGCACTGGGCCACTCTGACCGATGCTGGATGCCTTC
TTTTGTCCCTTCGGATGGACGCCAGGCTGCAGATTACCGCAGCAACCTGCATGTCCCCGGCATGGACTCT
GTTCCAGACACCGAGGTCTTTGAACCTCCAGAAGTCCAGCCTGGGGCAGAGCGCTCCTTCTCCACTTTCG
GCAAAGAGAAGGCCCTGCATGGCACCCTGGAGAGGAAGGAGTTGGACGGATTGCTGTCTAATACACGAGC
GCCTTACAAACCACCATATTTGAAAATGCTGTGGATGCAGCTGCGTGGAGAGGCTCATTTAACGAAAGAT
GGAGGCAAGCAAACAACCACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215284 representing NM_001098170
Red=Cloning site Green=Tags(s)

MIVLLFFALLWMVDGVFSQLHYTVQEEQEHGTFVGNIAEDLGLDITKLSARRFQTVANSRTPYLDLNLET
GVLYVNEKIDREQICKQSPSCVLHLEVFLENPLELFRVEIEVLDINDNPPSFPEPDLTVEISESATPGTR
FPLESAFDPDVGTNSLRDYEITPNSYFSLDVQTQGDGNRFAELVLEKPLDREQQAVHRYVLTAVDGGGGG
GGGEGGGGGGGAGLPPQQQRTGTALLTIRVLDSNDNVPAFDQPVYTVSLPENSPPGTLVIQLNATDPDEG
QNGEVVYSFSSHISPRARELFGLSPRTGRLEVSGELDYEESPVYQVYVQAKDLGPNAVPAHCKVLVRVLD
ANDNAPEISFSTVKEAVSEGAAPGTVVALFSVTDRDSEENGQVQCELLGDVPFRLKSSFKNYYTIVTEAP
LDREAGDSYTLTVVARDRGEPALSTSKSIQVQVSDVNDNAPRFSQPVYDVYVTENNVPGAYIYAVSATDR
DEGANAKLTYSILECQIQGMSVFTYVSINSDNGYLYALRSFDYEQIKDFSFQVEARDAGSPQALAGNATV
NILIVDQNDNAPAIVAPLPGRNGTPAREVLPRSAEPGYLLTRVAAVDADDGENARLTYSIVRGNEMNLFR
LDWRTGELRTARRVPAKRDPQRPYELVIEVRDHGQPPLSSTATLVVQLVDGAVEPQGGGGDRGGGSGEHL
RPSRSGGGETSLDLTLILIIALGSVSFIFLLAMIVLAVRCQKEKKLNIYTCLASDCCLCCCCGNGSSTC
CGRQARARKKKLSKSDIMLVQSANVPSNPAQVPVEESGGFGSHHHNQNYCYQVCLTPESAKTDLMFLKPC
SPSRSTDAEHNPCGAIVTGYSDQQPDIISNGSILSNENKHQRAELSYLVDRPRRVNSSAFQEADIVSSKD
SGHGDSEQGDSDHDVTNRGQSAGMDLFSNCTEECKALGHSDRCWMPSFVPSDGRQAADYRSNLHVPGMDS
VPDTEVFEPPEVQPGAERSFSTFGKEKALHGTLERKELDGLLSNTRAPYKPPYLKMLWMQLRGEAHLTKD
GGKQTTT

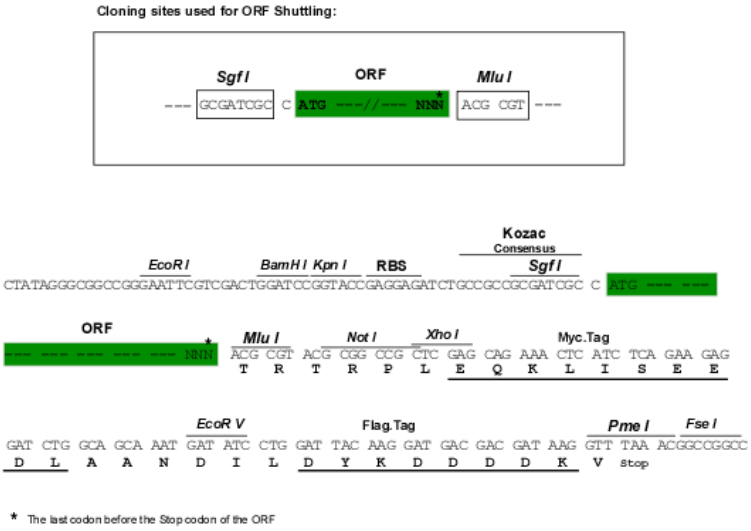
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9002_d08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



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:
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: NM_001098170.1, NP_001091640.1

RefSeq Size: 6064 bp

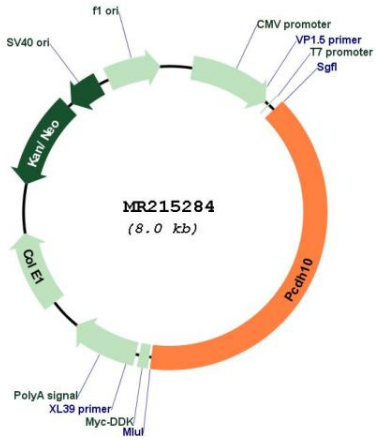
RefSeq ORF: 3174 bp

Locus ID: 18526

Cytogenetics: 3 B

MW: 115.5 kDa

Product images:



Circular map for MR215284