

Product datasheet for MR227164

Pcdh15 (NM_001142735) Mouse Tagged ORF Clone

Product data:

| | |
|--------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Pcdh15 (NM_001142735) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Pcdh15 |
| Synonyms: | av; BB078305; ENSMUSG00000046980; Gm9815; nmf19; roda; Ush1f |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| ORF Nucleotide Sequence: | >MR227164 representing NM_001142735 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCTACAGTTTGTCTGGAAGTGTACCCCATGGGATCCTCATTGCCTCTCTCTTGGTAGTCA
GCTGGGGCCAGTATGACGATGATTGCAAAGTACTAGGGGAGGACCACCAGCTACTATCGTGCCATTGA
TGAAGAGAGTCGAAACGGTACAATTCTGGTGGATAACATGTTGATTAAGGGGACTGCCGGAGGACCAGAC
CCCACCATAGAGCTCTCTTTAAAGGACAACGTGGACTACTGGGTGTTGCTGGACCCCGTTAAACAGATGC
TTTTCTGAACAGTACCGGAAGAGTTCTGGATAGAGACCCACCAATGAACATACACTCCATTGTGGTGCA
AGTCCAGTGTGTCAACAAGAAGTTGGCACAGTTATCTATCATGAAGTACGCATCGTGGTGGGAGATCGG
AATGACAACTCCCCACATTCAAGCATGAAAGCTACTATGCCACCGTGAATGAGCTCACTCCAGTTGGCA
CCACGATATTCACGGGGTTCCTGGGAGACAATGGAGCTACAGACATAGACGATGGCCCTAATGGACAGAT
AGAATACGTGATTCAGTACAACCCAGAAGATCCGACATCCAACGACACCTTTGAAATCCACTCATGCTG
ACTGGCAACGTGGTACTGAGGAAAAGACTCAACTATGAGGATAAGACTCGCTACTATGTCATCACTCAAG
CAAATGACCGTGCACAAAATCTGAATGAGAGGCGAACAACCACCACCCTCACAGTAGATGTTCTAGA
TGGAGATGACCTGGGACCTATGTTTCTGCCTTGTGTTCTTGCCAAACACACGTGACTGTCGTCCACTC
ACCTACCAAGCTGCCATTCTGAACTGAGGACTCCGGAAGAAGTGAACCTATTTTGGTGACACCACCTA
TCCAAGCCATTGATCAGGACCGAAAACATCCAACCACCTCTGATCGACCTGGCATCCTCTACTCCATCCT
TGTCGGCACCCCTGAGGATTACCCCGCTTCTTCCATATGCATCCAGGACTGCAGAACTCACTCTCCTG
GAGCCAGTAAACAGAGACTTCCATCAAAAATTTGATTTGGTTATTAAGGCTGAGCAGGACAATGGCCACC
CACTTCTGCCTTTGCTAGTCTGCACATCGAAATACTAGACGAAAACAATCAGAGTCCATACTTCACAAT
GCCAGCTATCAAGGATACATCCTGGAATCCGCCAGTGGGAGCCACCATTTCTGAGAGCTAACTTA
ACCACTCTCTGAGAATTGTAGCTCTGGACAAAGACATAGAAGACACAAAAGATCCAGAGCTCCACCTCT
TCTGAAATGACTACACCTCGGTCTTCACTGTGACACCCACTGGTATCACCCGCTAGCTCACCTGCTTCA
ACCTGTGGACAGGGAGGAACAGCAAACCTACACCTTTCTGATAACAGCGTTTGTGGCGTGCAAGAAAGT
GAGCCAGTCGTGGTCAATATCCGAGTGATGGATGCAAAATGATAACACGCCACCTTCCCTGAAATCTCCT



[View online »](#)

ATGATGTCTATGTTTACACAGACATGAGTCTGGGGACAGCGTCATTAGCTGACAGCGGTAGATGCTGA
 TGAAGGCTCTAATGGGGAGATCTCTATGAAATACTGGTGGGGGCAAGGGAGACTTCGTGATCAACAAG
 ACCACAGGGCTGGTGAGCATTGCACCAGGCGTGGAGCTGATCGTGGGACAGACGTATGCGCTCACAGTGC
 AGGCTTCGGACAACGCCCCGCTGCAGAAAAGAGGCACTCCATCTGCACAGTGTACATCGAGGTGCTTCC
 TCCTAACAAACCAGAGCCCTCCCCGCTTCCCGCAGCTGATGTACAGTCTGGAAGTCAGCGAGGCCATGAGG
 ATCGGTGCTATTTTAAATCTACAGGCAACTGATCGAGAGGGAGATCCAATCACATATGCCATCGAGA
 ATGGAGACCCCTCAGAGAGTTTTTAACTTTTCAGAAACCACAGGGATTCTCAGCTAGGGAAGGCTCTAGA
 CCGCGAGAGCACAGACCGCTACATCCTCATCGTCACAGCCTCAGATGGCAGACCGGATGGAACCTCAACT
 GCCACTGTGAACATAGTGGTGACGGACGTCAATGACAACGCTCCCGTGTTGATCCCTATCTGCCACGGA
 ACCTCTCTGTGGTGGAGGAAGAAGCCAATGCCTTTGTGGGTCAAGTCCGGGCAACAGACCCAGATGCTGG
 GATAAACGGCCAAGTTCACACTACAGCCTGGGGAACCTTCAACAACCTCTCCGCATCACATCCAACGGGAGC
 ATTTACACAGCCGTGAAGCTGAACAGGGAAGCCAGGGACCACTATGAACTGGTTGCTGGCAACAGATG
 GAGCAGTCCACCCTCGACATTCAACTCTGACACTGTACATCAAGGTGTTGGACATTGATGATAACAGTCC
 TGTTTTTACCAATTCAACGTACACAGTTGCTGTTGAAGAGAATCTGCCAGCCGGGACCTCCTTTCTCAA
 ATAGAGGCCAAGGATGTTGACCTTGAGCCAATGTGCATATCGGATCAGAAGCCAGAAGTGAACACC
 TTTTTGCACTGCATCCATTCACCTGGAGAATTGTCTCTTCTGAGGAGTTGGATTATGAGGCCCTTCCGGA
 CCAGGAGGCAAGCATCACATTCTTGGTGGAGGCCCTTGGACATTTATGGGACTATGCCACCTGGTATAGCA
 ACAGTCACGGTAATTGTGAAGGACATGAATGACTACCCTCCAGTGTTAGCAAACGCATCTACAAGGGGA
 TGGTGGCTCCAGATGCAGTCAAGGGGACACCAATCACCACCGTTTATGCTGAAGATGCGGACCCACCTGG
 GATGCCTGCAAGTAGGGTGAAGTATCGAGTGGACGACGTGCAGTTTCCATACCCAGCCAGTATTTTTGAT
 GTAGAGGAAGATTCTGGAAGAGTAGTAACCCGCGTCAATCTTAAATGAAGAGCCTACTACGATTTTCAAGC
 TGGTGGTTGTGGCTTTTGTGACGGCGAACCTGTGATGTCAGCAGTGCACGGTGAAGTCTTGTCTT
 ACATCTGGAGAGATCCCACGCTTCAACCAAGAGGAATACAGACCTCCTCTGTAAGTGAAGTCTGGGCC
 AGAGGGACTGTAGTTGGTGTCAATTTCTGCTGCCATTAATCAGAGCATCGTGTACTCCATTTGTGGCAG
 GAAATGAGGAAGACAAGTTTGAATCAACAATGTCACTGGGGTCACTATGTGAATTCACCATTTGGATTA
 CGAGACAAGGACCAGCTATGTGCTCCGGGTACAAGCAGATTCTCTGGAAGTGGTCTTGGCAATCTCCGA
 GTCCCTTCAAAAAGCAATACAGCTAAGGTGTACATTGAGATTGAGGATGAAAACGATCACCCCCAGTGT
 TCCAGAAGAAATCTACATTGGAGGTGTGTCTGAAGACGCAAGGATGTTGCGATCTGTGCTCAGAGTGAA
 GGCCACCAGACAGGGACACGGTAATTACAGTGCCATGGCTACCAGGCTCATACACCGGATTAAGAG
 GGCAAAGAGGGGTTTGTGGTGGAAACATACACAGGTCTCATCAAGACAGCCATGCTTCCACAATATGA
 GAAGATCTACTTCAAGTTTCAAGTGATTGCAACTGACGACTACGGGAAGGGTTGAGCGGAAAGCAGA
 CGTACTGGTCTCCGTGGTCAATCAACTGGATATGCAGGTATTGTCTCCAATGTGCCCCCTACACTAGTG
 GAAAAGAAGATAGAAGACCTTACAGAGATTTTGGATCGCTACGTTGAGGACAAATTCCTGGTGCCAAGG
 TTGTGGTGGAGTCCATAGGTGCCCGTCCGATGGAGACGCTACTCCCTAGAAGACTATAGCAAGTGCGA
 CCTGACTGTCTATGCCATCGACCCGACAGCAACAGAGCCATCGACAGAAATGAGCTTTTAAAGTTCCTG
 GACGGCAAACCTGCTCGATATCAATAAAGACTTCCAGCCGATTACGGGGAAGGAGGGCGCATTCTGGAGA
 TTCGGACACCTGAGGCAGTGACGAGCATCAAGAAGCGAGGAGAAAGCTTGGGGTACACAGAAGGGGCCCT
 GCTGGCCTTGGCCTTCACTCATCTCTGTGTCATCCAGCCATCTTGGTGTCTTAGTAAAGTACCGA
 CAGTTTAAAGTACGCCAGGCTGAGTGCACGAAGACCCGCAAGAATTCAGTCTGCTATGCCTGCAGCCAAAGC
 CTGCAGCTCCTGTACCAGCTGCGCCTGCGCCGCCCGCCCGCCACCACCACCAGGAGCACATCT
 CTATGAAGAAGTGGGAGAGAGCGCAATGCATAATCTTTTCTTCTCTACCATTTTGAACAAGCAGGGGA
 AATAACTCAGTCCAGAAGACAGGAGCAGTATCGCGATGGGATGGCCTTTTCTCCAGTACCACTGAGT
 CTCATGAGCCAGCTCATGTAGAGGGACCACTTAAAGGAGAGCCAGCCTAACCCAGCAAGGACGTTCTCATT
 TGTTCTGATGAGGATAACTTAAAGTACCATAATCCCCTTACATGGAAGTATAGGTCAAAGGTCAACA
 AACTCAGACCTTACGCCACGAACAGATTTTGAAGAGCTGTTGGCACCAGAACACAAGTTAAGAGTCAGT
 CTCTGAGGGGCCAAGAGAAAAGATCCAGAGGGTGTGGAATCAGTCTGTGAGCTTCTAGGCGGCTCAT
 GTGGAAGCCCCAACAGGCCAGAGACCATAGACCTGGTGGAGTGGCAGATCACCAATCAGAGAGCTGAA
 TGCGAAAGCGCCAGATGCCACCAAGCCAGAGAGGTAGCAGCAACGTTCTGCTGGCAACTGAAGATGCC
 ACGAGTCAGAGAAAAGAGGGGACACAGAGACCCCTAATCGTCCAGCAACAGAGCAGCTGAAATCTCT
 GTCTTCTGGCTCTTCTTTTCTCTCTTGGTCTCACTTTTCTTCTCAACTCTGCCAACGATTTCCAGA
 GCGGTGGAACCTGGGTCGGAACCTAATGTGGTCACTTCTCCCGCTGACTGCACCTTGAACCTTCTCCTC
 CTCTGAGACCCCGTATTTTAACTCCTTAAAGCTAAGAGAGAGACTCCACATGTGCATCAGATACAGA

ACCAAAAAGGAACTCTTTTGAGATCGCTCCCATCCACCTAGCATCTCTGCTCCCCTCCCACATCCGCCT
 CTTCTAGACCTCCCATTGCCTTACCCTTTTCTCTCCCCTTCTCCCCTAACCTCCTCCCCAC
 AACTTGTACATTTTCTCTCCATTTCTACCCCCCTACTTCTCTCTACCTCTTCTCCTCCACTGTC
 ACTTCTCTCTCTCTCGGCCACCAGCTCCCCGCCTCTCCACAGCCTCCTTCCAGTCCATTCCATCC
 ACAGACAGCATCTCTGCACCAGCTGCTAAATGCACTGCCAGTGCCACACACGCCAGAGAAACCACGTCTA
 CGACACAGCCACCAGCATCCAACCCGCAGTGGGGGGCAGAACCCACAGACATCCAAAAGGGATCCTCAG
 ACATGTGAAAAACTTGGCAGAGCTCGAGAAATCAGTGTCTAACATGTACAGTCACATAGAAAAAACTGC
 CCACCTGCAGATCCCTCAAACTACACAGTTTTGCCCTGCAGAGAAAACAGGCATGAAAATCACACATG
 ACCAGAGCCAGGAAACGTTGGTTAGAGTTGTTGAGGGAATTGACGTGCAACCTCACAGTCAATCAACATC
 TTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227164 representing NM_001142735
 Red=Cloning site Green=Tags(s)

MFLQFAVWKCLPHGILIASLLVSWGQYDDDKLARGGPPATIVAIDEE SRNGTILVDNMLIKGTAGGPD
 PTIELSLKDNVDYVLLDPVKQMLFLNSTGRVLRDPPMNIHSIVVQVQVKNKVGTVIYHEVRIVVRDR
 NDNSTPFKHESYATVNELTPVGTTFITGFGSDNGATDIDDGPNQIEYVIQYNPEDPTSNDFEIPMLM
 TGNVVLKRLNYEDKTRYVVIQANDRAQNLNERRTTTTLTVDVLGDGDLGPMFLPCVLVPNTRDCRPL
 TYQAAIPELRTPEELNPILVTPPIQAIDQDRNIQPPSDRPGILYSILVGTPEDYPRFFHMPRTAELTLL
 EPVNRDFHQFDLVIKAEQDNGHPLPAFASLHIEILDENNQSPYFTMPSYQGYILESAPVGATISESLNL
 TTPLRIVALDKDIEDTKDPELHLFLNDYTSVFTVPTGITRYLTLLQPVDREEQYTYFLITAFDGVQES
 EPVVVNI RVM DANDNTPTFPEISYDVVYVYDMSPGDSVIQLTAVDADEGSNGEISYEILVGGKGFVINK
 TTGLVSIAPGVELIVGQTYALTVQASDNAPPAERRHSICTVYIEVLPNNQSPRFPQLMYSLEVSEAMR
 IGAILLNLQATDREGDPITYAIENGDPQRFVNLSETTGILSLGKALDRESTDRYILIVTASDGRPDGTST
 ATV NIVTDVNDNAPVFDPYLPRNLSVVEEANAFAVQVRATDPDAGINGQVHYSLGNFNFLFRITSNQS
 IYTAVKLNREARDHYELVVVATDGAHVHRHSTLTLYIKVLDIDDNSPVFNSTYTVVVEENLPAGTSFLQ
 IEAKDVDLGANVSYRIRSPVEVKHLFALHPFTGELSLLRSLDYEAFPDQEASITFLVEAFDIYGTMPPIA
 TVTVIKMDNDYPPVFSKRIYKGMVAPDAVKGTPITTVYAEADADPPGMPASRVRYRVDVQFPYPASIFD
 VEEDSGRVVTRVNLNEEPTTIFKLVVAFDDGEPVMSSSATVRILVHPGEIPRFTQEEYRPPPVSELAA
 RGTVVGVISAAAINQSIYVIVAGNEEDKFGINNVTVGIYVNSPLDYETRTSYVLRVQADSLEVLANLR
 VPSKSNKAVYIEIQDENDHPPVFQKIFYIGGVSEDARMFASVLRVKATDRDTGNYSAMAYRLIIPPIKE
 GKEGFVVEYTYGLIKTAML FHNMRSYFKFQVIATDDYGKGLSGKADVLVSVVNQLDMQVIVSNVPPTLV
 EKKIEDL TEILDYVQEQIPGAKVVVESIGARRHGDAYSLEDYSKCDLTVYAIDPQTNRAIDRNELFKFL
 DGKLLDINKDFQPYGEGGRILEIRTPEAVTSIKKRGESLGYTEGALLALAFIILCCIPAILVVLVSYR
 QFKVRQAECKTARIQSAMPAKPAAPVPAAPAPPPPPPPPPGAHLYEELGESAMHNLFLLYHFEQSRG
 NNSVPEDRSSHRDGMFSSSTTESHEPAHVEGPLKESQPNPARTFSFVPEDNLSTHNPLYMESIGQRST
 NSDLQPRTFEELLAPRTQVKSQSLRGPREKIQRVWNQSVSFPRLMWKAPNRPETIDLVEWQITNQRAE
 CESARHPSQRGSSNVLLATEDAHESEKEGGHRDTLIVQQTEQLKSLSSGSSFSSSWSHFSFSTLPTISR
 AVELGSEPNVVTSPADCTLELSPPLRPRILNLSKRETPCASDTEPKRNSFEIAPHPPSISAPLPHPP
 LPRPIAFITTFPLPLSPPNPPPPQLVTFSLPISTPPTSSLPLPPPLSLPPPPPPAPRLFPPPPSTSI
 TDSISAPAAKCTASATHARETTSTQPPASNQWGAEPHRHPKGI LRHVKNLAELKSVSNMYSHIEKNC
 PPADPSKLHTFCAEKTGMKITHDQSQETLVRVVEGIDVQPHSQSTSL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

| | |
|-------------------------------|---|
| 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_001142735.1</u> , <u>NP_001136207.1</u> |
| RefSeq Size: | 9049 bp |
| RefSeq ORF: | 5817 bp |
| Locus ID: | 11994 |
| UniProt ID: | <u>Q99PJ1</u> |
| Cytogenetics: | 10 37.43 cM |
| MW: | 214.5 kDa |
| Gene Summary: | Calcium-dependent cell-adhesion protein. Required for inner ear neuroepithelial cell elaboration and cochlear function. Probably involved in the maintenance of normal retinal function.[UniProtKB/Swiss-Prot Function] |