

Product datasheet for MR227204

Pcdh15 (NM_001142741) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh15 (NM_001142741) 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:	>MR227204 representing NM_001142741 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCTACAGTTTGTCTGGAAGTGTACCCCATGGGATCCTCATTGCCTCTCTCTTGGTAGTCA
GCTGGGGCCAGTATGACGATGGTACAATCTGGTGGAATAACATGTTGATTAAGGGGACTGCCGGAGGACC
AGACCCACCATAGAGCTCTCTTAAAGGACAACGTGGACTACTGGGTGTTGCTGGACCCGTTAAACAG
ATGCTTTTCTGAACAGTACCGGAAGAGTTCTGGATAGAGACCCACCAATGAACATACACTCCATTGTGG
TGCAAGTCCAGTGTGTCACAAGAAGGTTGGCAGATTATCTATCATGAAGTACGCATCGTGGTGGCAGAG
TCGGAATGACAACCTCCCCACATTCAAGCATGAAAGCTACTATGCCACCGTGAATGAGCTCACTCCAGTT
GGCACCACGATATTCACGGGGTCTCGGGAGACAATGGAGCTACAGACATAGACGATGGCCCTAATGGAC
AGATAGAATACGTGATTCAGTACAACCCAGAAGATCCGACATCCAACGACACCTTTGAAATTCACACTCAT
GCTGACTGGCAACGTGGTACTGAGGAAAAGACTCAACTATGAGGATAAGACTCGCTACTATGTATCATC
CAAGCAAATGACCGTGCACAAAATCTGAATGAGAGGCGAACAACCACCACCCTCACAGTAGATGTTCC
TAGATGGAGATGACCTGGGACCTATGTTTCTGCCTTGTGTTCTTGTGCCAAACACACGCTGCTGCTGC
ACTCACCTACCAAGCTGCCATTCCTGAACTGAGGACTCCGGAAGAAGTGAACCCTATTTTGGTGACACCA
CCTATCCAAGCCATTGATCAGGACCGAAAACATCCAACCACCATCTGATCGACCTGGCATCCTCTACTCCA
TCCTTGTGCGCACCCCTGAGGATTACCCCGCTTCTTCCATATGCATCCCAGGACTGCAGAACTCACTCT
CCTGGAGCCAGTAAACAGAGACTTCCATCAAAAATTTGATTTGGTTATTAAGGCTGAGCAGGACAATGGC
CACCCACTTCTGCCTTTGCTAGTCTGCACATCGAAATACTAGACGAAAACAATCAGAGTCCATACTTCA
CAATGCCAGCTATCAAGGATACATCCTGGAATCCGCCCCAGTGGGAGCCACCATTTCTGAGAGCCTAAA
CTTAACCACTCCTCTGAGAATTGTAGCTCTGGACAAAAGACATAGAAGACAAAAAGATCCAGAGCTCCAC
CTTCTCCTGAATGACTACACCTCGGTCTTCACTGTGACACCCACTGGTATCACCCGCTACCTCACCTGCT
TTCAACCTGTGGACAGGGAGGAACAGCAACCTACACCTTCTGATAACAGCGTTTGGATGGCGTGAAGA
AAGTGAGCCAGTCGTGGTCAATATCCGAGTGATGGATGCAAATGATAACAGCCACCTTCCCTGAAATC
TCCTATGATGTCTATGTTTACACAGACATGAGTCTGGGACAGCGTCATTACAGTACAGCGGTAGATG



CTGATGAAGGCTCTAATGGGGAGATCTCTATGAAATACTGGTGGGGGGCAAGGGAGACTTCGTGATCAA
 CAAGACCACAGGGCTGGTGGAGCATTGCACCAGGCGTGGAGCTGATCGTGGGACAGACGTATGCGCTCACA
 GTGCAGGCTTCGGACAACGCCCGCCTGCAGAAAGAAGGCACTCCATCTGCACAGTGTACATCGAGGTGC
 TTCCTCTAACAACCAGAGCCCTCCCGCTTCCCGCAGCTGATGTACAGTCTGGAAGTCAGCGAGGCCAT
 GAGGATCGGTGCTATTTTATAAATCTACAGGCAACTGATCGAGAGGGAGATCCAATCACATATGCCATC
 GAGAATGGAGACCCTCAGAGAGTTTTAATCTTTCAGAAACCACAGGGATTCTCAGCCTAGGGAAGGCTC
 TAGACCGGAGAGCACAGACCGCTACATCCTCATCGTCACAGCCTCAGATGGCAGACCCGGATGGAACCTC
 AACTGCCACTGTGAACATAGTGGTGACGGACGTCAATGACAACGCTCCCGTGTTCGATCCCTATCTGCC
 AGGAACCTCTCTGTGGTGGAGGAAGAAGCCAATGCCTTTGTGGTCAAGTCCGGGCAACAGACCCAGATG
 CTGGGATAAACGGCCAAGTTCACTACAGCCTGGGGAACCTCAACAACCTTCCGCATCACATCCAACGG
 GAGCATTACACAGCCGTGAAGCTGAACAGGGAAGCCAGGGACCACTATGAACTGGTTGCTGGCAACA
 GATGGAGCAGTCCACCCTCGACATTCAACTCTGACACTGTACATCAAGGTGTTGGACATTGATGATAACA
 GTCCTGTTTTACCAATCAACGTACACAGTTGCTGTTGAAGAGAATCTGCCAGCCGGGACCTCTTTCT
 TCAATAGAGGCCAAGGATGTTGACCTTGAGCCAATGTGTCATATCGGATCAGAAGCCCAGAAGTGAAA
 CACCTTTTTGACTGCATCCATTACTGGAGAATTGTCTTTCTGAGGAGTTGGATTATGAGGCCCTTC
 CGGACCAGGAGGAAGCATCACATTCTGGTGGAGGCCTTTGACATTTATGGGACTATGCCACCTGGTAT
 AGCAACAGTCACGGTAATTGTGAAGGACATGAATGACTACCTCCAGTGTTAGCAACGCATCTACAAG
 GGGATGGTGGCTCCAGATGCAGTCAAGGGGACACCAATCACCACCGTTTATGCTGAAGATGCGGACCCAC
 CTGGGATGCCTGCAAGTAGGGTGAAGTATCGAGTGGACGACGTGCAGTTCCATACCCAGCCAGTATTTT
 TGATGTAGAGGAAGATTCTGGAAGAGTAGTAACCCGCGTCAATCTTAATGAAGAGCCTACTACGATTTTC
 AAGCTGGTGGTTGTGGCTTTTGATGACGGCAACCTGTGATGTCCAGCAGTGCACGGTGAAGATTCTTG
 TCTTACATCCTGGAGAGATCCCACGCTTACCCAAGAGGAATACAGACCTCCTCCTGTAAAGTGAAGTTC
 GGCCAGAGGGACTGTAGTTGGTGCATTTCTGCTGCCATTAATCAGAGCATCGTGTACTCCATTGTG
 GCAGGAAATGAGGAAGACAAGTTTGAATCAACAATGTCACTGGGGTCACTATGTGAATTCACATTGG
 ATTACGAGACAAGGACCGCTATGTGCTCCGGTACAAGCAGATTCTCTGGAAGTGGTCTTCCCAATCT
 CCGAGTCCCTTCAAAAAGCAATACAGCTAAGGTGTACATTGAGATTGAGGATGAAAACGATCACCCCCA
 GTGTTCCAGAAGAAATCTACATTGGAGGTGTGTGAAGACGCAAGGATGTTCCGATCTGTGCTCAGAG
 TGAAGGCCACCGACAGGGACACGGTAATTACAGTGCCATGGCCTACCGGCTCATCATACCGCCGATTAA
 AGAGGGCAAAGAGGGGTTTGTGGTGGAAACATACACAGGTCTCATCAAGACAGCCATGCTCTCCACAAT
 ATGAGAAGATCCTACTTCAAGTTTCAAGTATTGCAACTGACGACTACGGGAAGGGGTTGAGCGGAAAG
 CAGACGTACTGGTCTCCGTGGTCAATCACTGGATATGCAGGTCAATTGTCTCCAATGTGCCCCCTACACT
 AGTGGAAAAGAAGATAGAAGACCTTACAGAGATTTTGGATCGCTACGTTACAGGAGCAAATTCCTGGTGC
 AAGGTTGTGGTGGAGTCCATAGGTGCCCGTCCGATGGAGACGCCTACTCCCTAGAAGACTATAGCAAGT
 GCGACCTGACTGTCTATGCCATCGACCCGACACCAACAGAGCCATCGACAGAAATGAGCTTTTTAAGTT
 CCTGGACGGCAAACCTGCTCGATATCAATAAAGACTTCCAGCCGATTACGGGGAAGGAGGGCGCATTCTG
 GAGATTCGGACACCTGAGGCAGTGACGAGCATCAAGAAGCAGGAGAAAGCTTGGGGTACACAGAAGGGG
 CCTTGTGGCCTTGGCCTTATCATCATCCTCTGTTGCATCCCAGCCATCTTGGTCTTAGTAAGCTA
 CCGACAACGCCAGGCTGAGTGCACGAAGACCGCAAGAATTCAGTCTGCTATGCTGCAGCCAAGCCTGCA
 GCTCCTGTACCAGCTGCGCCTGCGCCGCCCCCGCCACCACCACCAGGAGCACATCTCTATG
 AAGAACTGGGAGAGAGCGCAATGCATAATCTTTTCTTCTACCATTTTGAACAAAGCAGGGGAAATAA
 CTCAGTCCAGAAGACAGGAGCAGTATCGCGATGGGATGGCCTTTTCTCCAGTACCACTGAGTCTCAT
 GAGCCAGCTCATGTAGAGGGACCACTTAAGGAGAGCCAGCCTAACCCAGCAAGGACGTTCTCATTGTTC
 CTGATGAGGATAACTTAAGTACCATAATCCCCTTACATGGAAAGTATAGGTCAAAGGTCAACAAACTC
 AGACCTTCAGCCACGAACAGATTTTGAAGAGCTGTTGGCACCCAGAACAAGTTAAGAGTCAGTCTCTG
 AGGGGCCAAAGAGAAAAGATCCAGAGGGTGTGGAATCAGTCTGTGAGCTTCTAGGCGGCTCATGTGGA
 AAGCCCCAAACAGGCCAGAGACCATAGACCTGGTGGAGTGGCAGATCACCAATCAGAGAGCTGAATGCGA
 AAGCGCCAGATGCCACCAAGCCAGAGAGGTAGCAGCAACGTTCTGCTGGCAACTGAAGATGCCACGAG
 TCAGAGAAAGAAGGGGGACAGAGACACCTAATCGTCCAGCAACAGAGCAGCTGAAATCTCTGTCTT
 CTGGCTCTTCTTTTCTCTCTTGGTCTCACTTTTCTTCTCAACTCTGCCAACGATTTCCAGAGCGGT
 GGAACCTGGGTCGGAACCTAATGTGGTCACTTCTCCCGCTGACTGCACCTTGGAACTTTCTCCTCTCTG
 AGACCCGATTTTTAACTCCTAAGCTTAAGAGAGAGACTCCACATGTGCATCAGATACAGAACCAA
 AAAGGAACTTTTTGAGATCGCTCCCATCCACCTAGCATCTCTGCTCCCTCCACATCCGCTCTTCC

TAGACCTCCCATTGCCTTTACCACTTTTCTCTTCCCCTTCTCCCCCTAACCTCCTCCCCACAACCT
 GTTACATTTTCTCTTCCCATTCTACACCCCCTACTTCTTCTCTACCTTCTCCTCCTCCACTGCTACTTC
 CTCCTCCTCCTCGGCCACCAGCTCCCCGCCTCTCCCACAGCCTCCTCCACGTCCATTCCATCCACAGA
 CAGCATCTCTGCACCAGCTGCTAAATGCACTGCCAGTGCCACACACGCCAGAGAAACCACGTCTACGACA
 CAGCCACCAGCATCAACCCGCAGTGGGGGGCAGAACCCACAGACATCCAAAAGGGATCCTCAGACATG
 TGAAAACTTGGCAGAGCTCGAGAAATCAGTGTCTAACATGTACAGTACATAGAAAAAACTGCCACC
 TGCAGATCCCTCAAACACTACACACGTTTTGCCCTGCAGAGAAAACAGGCATGAAAATCACACATGACCAG
 AGCCAGGAAACGTTGGTTAGAGTTGTTGAGGGAATTGACGTGCAACCTCACAGTCAATCAACATCTTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227204 representing NM_001142741
 Red=Cloning site Green=Tags(s)

MFLQFAVWKCLPHGILIASLLVVSQYDDGTILVDNMLIKGTAGGPDPTIELSLKDNVDYVLLDPVKQ
 MLFLNSTGRVLDLDRPPMNIHSIVVQVQCNKVGTVIYHEVRIVVRDRNDNSPTFKHESYYATVNELTPV
 GTTIFTGSGDNGATDIDDGPNQIEYVIQYNPEDPTSNDTFEIPLMLTGNVVLKRNLNEDKTRYVYII
 QANDRAQNLNERRTTTTLTVDLGDDLGMFLPCVLPNTRDCRPLTYQAAIPELRTPEELNPILVTP
 PIQAIDQRNIQPPSDRPGILYSILVGTPEYPRFFHMHPRTAELTLLEPVNRDFHQKFDLVIAEKQDNG
 HPLPAFASLHIEILDENNQSPYFTMPYQGYILESAPVGATISESLNLTPLRIVALDKDIEDTKDFELH
 LFLNDYTSVFTVPTGITRYLTLQPVDREEQTYTFLITAFDGVQSEPVVNVNIRVMDANDNTPTFPEI
 SYDVVYVYTDMSPGDSVIQLTAVDADEGSNGEISYEILVGGKGFVINKTTGLVSIAPGVELIVGQTYALT
 VQASDNAPPAERHSICTVYIEVLPNNQSPRFPQLMYSLEVSEAMRIGAILNLQATDREGDPITYAI
 ENGDPQRFVNLSETTGILSLGKALDRESTDYILIVTASDGRPDGTSTATVNIIVTVNDNAPVDFPPLP
 RNL SVVEEANAFVGVQRATDPDAGINGQVHYSLGNFNNLFRITSNGSIYAVKLNREARDHYELVVVAT
 DGAVHPRHSTLTLYIKVLDIDDNSPVFTNSTYTVVVEENLPAGTSFLQIEAKDVDLGANVSYRIRSPYK
 HLFALHPFTGELSLRSLDYEAFPDQEAISITFLVEAFDIYGTMPPIATVTVIKDMNDYPPVFSKRIYK
 GMVAPDAVKGTPITTVYAEADPPGMPASRVRYRVDVQFPYPASIFDVEEDSGRVVTRVNLNEEPTTIF
 KLVVAFDDGEPVMSSSATVRILVHPGEIPRFTQEEYRPPVSELAARGTVVGVISAAAINQSIYVSIV
 AGNEEDKFGINNVTVIYVNSPLDYETRTSYVLRVQADSLEVVLANLRVPSKSNATAKVYIEIQDENDHPP
 VFQKKFYIGGVSEDFARMFASVLRVKATDRDTGNYSAMAYRLIIPPIKEGKEGFVVETYTGLIKTAMLFHN
 MRRSYFKFQVIATDDYGGKLSGKADVLVSVVNQLDMQVIVSNVPPTLVEKKIEDLTEILDYVQEQIPGA
 KVVVESIGARRHGDAYSLDYSKCDLTVYAIDPQTNRAIDRNELFKFLDGKLLDINKDFQPPYGGGRIL
 EIRTPEAVTSIKKRGESLGYTEGALLALAFIIILCCIPAILVVLVSYRQRQAECTKTARIQSAMPAAKPA
 APVPAAPAPPPPPPPPPGAHLYEELGESAMHNLFLLYHFEQSRGNNSVPEDRSSHRDGMAFSSSTESH
 EPAHVEGPLKESQPNPARTFSFVPDEDNLSTHNPLYMESIGQRSTNSDLQPRTFEELLAPRTQVKSQSL
 RGPREKIQRVWNQSVSFRRLMWKAPNRPETIDLVEWQITNQRAECESARCHPSQRGSSNVLLATEDAHE
 SEKEGGHRDTLIVQQTEQLKSLSSGSSFSSSWSHFSFSTLPTISRARELSEPNVVTSPADCTLELSPPL
 RPRILNSLSSKRETPCASDTEPKRNSFEIAPHPPSISAPLPHPLPRPPIAFTTFPLPLSPPNPPPPQL
 VTFSLPISTPPTSSLPLPPPLSLPPPPPPAPRLFPQPPSTSIPTSDSISAPAAKCTASATHARETTSTT
 QPPASNQWGAEPHRHPKILRHVKNLAELEKSVSNMYSHIEKNCPPADPSKLTHTCPAEKTMKITHDQ
 SQETLVRVVEGIDVQPHSQSTSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

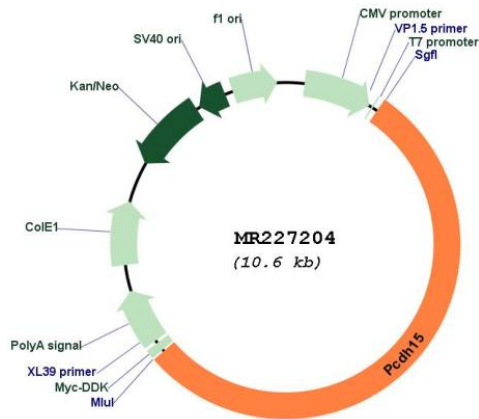
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001142741

ORF Size: 5739 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:	NM_001142741.1 , NP_001136213.1
RefSeq Size:	8974 bp
RefSeq ORF:	5742 bp
Locus ID:	11994
UniProt ID:	Q99PJ1
Cytogenetics:	10 37.43 cM
MW:	211.8 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]