

Product datasheet for **MC225058**

Pcdh15 (NM_001142735) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh15 (NM_001142735) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pcdh15
Synonyms:	av; BB078305; ENSMUSG00000046980; Gm9815; nmf19; roda; Ush1f
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225058 representing NM_001142735 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCTACAGTTTGTCTGGAAGTGTACCCCATGGGATCCTCATTGCCTCTCTCTTGGTAGTCA
GCTGGGGCCAGTATGACGATGATTGCAAAGTACTAGGGGAGGACCACCAGCTACTATCGTGCCATTGA
TGAAGAGAGTCGAAACGGTACAATTCTGGTGGATAACATGTTGATTAAGGGGACTGCCGGAGGACCAGAC
CCCACCATAGAGCTCTCTTTAAAGGACAACGTGGACTACTGGGTGTTGCTGGACCCGTTAAACAGATGC
TTTTCTGAACAGTACCGGAAGAGTTCTGGATAGAGACCCACCAATGAACATACACTCCATTGTGGTGCA
AGTCCAGTGTGTCAACAAGAAGTTGGCACAGTTATCTATCATGAAGTACGCATCGTGGTGGCAGATCGG
AATGACAACTCCCCACATTCAAGCATGAAAGCTACTATGCCACCGTGAATGAGCTCACTCCAGTTGGCA
CCACGATATTCACGGGGTTCCTGGGAGACAATGGAGCTACAGACATAGACGATGGCCCTAATGGACAGAT
AGAATACGTGATTCAGTACAACCCAGAAGATCCGACATCCAACGACACCTTTGAAATCCACTCATGCTG
ACTGGCAACGTGGTACTGAGGAAAAGACTCAACTATGAGGATAAGACTCGCTACTATGTCATCACTCAAG
CAAATGACCGTGCACAAAATCTGAATGAGAGGCGAACAACACCACCCTCACAGTAGATGTTCTAGA
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TGTCGGCACCCCTGAGGATTACCCCGCTTCTTCCATATGCATCCAGGACTGCAGAACTCACTCTCCTG
GAGCCAGTAAACAGAGACTTCCATCAAAAATTTGATTTGGTTATTAAGGCTGAGCAGGACAATGGCCACC
CACTTCTGCCTTTGCTAGTCTGCACATCGAAATACTAGACGAAAACAATCAGAGTCCATACTTCACAAT
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TCTGAAATGACTACACCTCGGTCTTCACTGTGACACCCACTGGTATCACCCGCTAGCTCACCTGCTTCA
ACCTGTGGACAGGGAGGAACAGCAAACCTACACCTTTCTGATAACAGCGTTTGTGGCGTGCAAGAAAGT
GAGCCAGTCGTGGTCAATATCCGAGTGTGGATGCAAAATGATAACACGCCACCTTCCCTGAAATCTCCT



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ATGATGTCTATGTTTACACAGACATGAGTCTGGGGACAGCGTCATTAGCTGACAGCGGTAGATGCTGA
 TGAAGGCTCTAATGGGGAGATCTCCTATGAAATACTGGTGGGGGCAAGGGAGACTTCGTGATCAACAAG
 ACCACAGGGCTGGTGAGCATTGCACCAGGCGTGGAGCTGATCGTGGGACAGACGTATGCGCTCACAGTGC
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 GAAAAGAAGATAGAAGACCTTACAGAGATTTTGGATCGCTACGTTTCAAGGACAAATTCCTGGTGCCAAGG
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 CCTGACTGTCTATGCCATCGACCCGACAGCAACAGAGCCATCGACAGAAATGAGCTTTTAAAGTTCCTG
 GACGGCAAACCTGCTCGATATCAATAAAGACTTCCAGCCGATTACGGGGAAGGAGGGCGCATTCTGGAGA
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 GCTGGCCTTGGCCTTCACTCATCTCTGTGTCATCCCAGCCATCTTGGTGTCTTAGTAAAGTACCGA
 CAGTTTAAAGTACGCCAGGCTGAGTGCACGAAGACCCGCAAGAATTCAGTCTGCTATGCCAGCCAAAGC
 CTGCAGCTCCTGTACCAGCTGCGCCTGCCCGCCCCCGCCACCACCACCAGGAGCACATCT
 CTATGAAGAAGTGGGAGAGCGCAATGCATAATCTTTTCTTCTTCTACCATTTTGAACAAGCAGGGGA
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 CTCATGAGCCAGCTCATGTAGAGGGACCACTTAAAGGAGAGCCAGCCTAACCCAGCAAGGACGTTCTCATT
 TGTTCTGATGAGGATAACTTAAAGTACCATAATCCCCTTACATGGAAGTATAGGTCAAAGGTCAACA
 AACTCAGACCTTACGCCACGAACAGATTTTGAAGAGCTGTTGGCACCAGAACACAAGTTAAGAGTCAGT
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 ACGAGTACAGAAAGAAGGGGGACACAGAGACCCCTAATCGTCCAGCAACAGAGCAGCTGAAATCTCT
 GTCTTCTGGCTCTTCTTTTCTCTCTTGGTCTCACTTTTCTTCTCAACTCTGCCAACGATTTCCAGA
 GCGGTGGAACCTGGGTCGGAACCTAATGTGGTCACTTCTCCCGCTGACTGCACCTTGAACCTTCTCCTC
 CTCTGAGACCCCGTATTTTAACTCCTTAAAGCTAAGAGAGAGACTCCACATGTGCATCAGATACAGA

ACCAAAAAGGAACTCTTTTGAGATCGCTCCCATCCACCTAGCATCTCTGCTCCCCTCCCACATCCGCCT
 CTTCTAGACCTCCCATTGCCTTTACCACTTTTCTCTTCCCCTTCTCCCCTAACCTCCTCCCCAC
 AACTTGTTACATTTTCTTCCCATTTCTACACCCCTACTTCTTCTCTACCTCTTCTCCTCCACTGTC
 ACTTCTCTCTCTCTCGGCCACCAGCTCCCGCCTCTTCCCACAGCCTCCTTCCAGTCCATTCCATCC
 ACAGACAGCATCTCTGCACCAGTGCTAAATGCACTGCCAGTGCCACACACGCCAGAGAAACCACGTCTA
 CGACACAGCCACCAGCATCCAACCCGAGTGGGGGCAGAACCCACAGACATCCAAAAGGGATCCTCAG
 ACATGTGAAAAAATTGGCAGAGCTCGAGAAATCAGTGTCTAACATGTACAGTCACATAGAAAAAACTGC
 CCACCTGCAGATCCCTCAAAACTACACAGTTTTGCCCTGCAGAGAAAACAGGCATGAAAATCACACATG
 ACCAGAGCCAGGAAACGTTGTTAGAGTTGTTGAGGGAATTGACGTGCAACCTCACAGTCAATCAACATC
 TTTGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001142735
- Insert Size:** 5817 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001142735.1](#), [NP_001136207.1](#)
- RefSeq Size:** 9049 bp
- RefSeq ORF:** 5817 bp
- Locus ID:** 11994
- UniProt ID:** [Q99PJ1](#)
- Cytogenetics:** 10 37.43 cM
- 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]
 Transcript Variant: This variant (B) lacks an alternate in-frame exon in the 5' coding region, compared to variant A. The resulting isoform (CD1-2), also known as protocadherin-15-CD1 isoform 2, lacks a 5-aa segment near the N-terminus, compared to isoform CD1-1.