

Product datasheet for **MC223818**

Pcdh15 (NM_001142747) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pcdh15 (NM_001142747) 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: >MC223818 representing NM_001142747
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCTACAGTTTGTCTGGAAGTGTACCCCATGGGATCCTCATTGCCTCTCTCTTGGTAGTCA
 GCTGGGGCCAGTATGACGATGACTGGCAATACGAGGATTGCAAACAGCTAGGGGAGGACCACCAGCTAC
 TATCGTGGCCATTGATGAAGAGAGTCGAAACGGTACAATTCTGGTGGATAACATGTTGATTAAGGGGACT
 GCCGGAGGACCAGACCCACCATAGAGCTCTTTAAAGGACAACGTGGACTACTGGGTGTGTGGACC
 CCGTTAAACAGATGCTTTTCTGAACAGTACCGGAAGAGTTCTGGATAGAGACCCACCAATGAACATACA
 CTCCATTGTGGTCAAGTCCAGTGTGTCAACAAGAAGGTTGGCACAGTTATCTATCATGAAGTACGCATC
 GTGGTGCAGATCGGAATGACAACTCCCCACATTCAAGCATGAAAGCTACTATGCCACCGTGAATGAGC
 TCACTCCAGTTGGCACCACGATATTCACGGGTTCTCGGGAGACAATGGAGCTACAGACATAGACGATGG
 CCCTAATGGACAGATAGAATACGTGATTCACTACAACCCAGAAGATCCGACATCCAACGACACCTTTGAA
 ATTCCAATCATGCTGACTGGCAACGTGGTACTGAGGAAAAGACTCAACTATGAGGATAAGACTCCCTACT
 ATGTCATCATCCAAGCAAATGACCGTGCACAAAATCTGAATGAGAGGCGAACAACCACCACCCTCAC
 AGTAGATGTTCTAGATGGAGATGACCTGGGACCTATGTTTCTGCCTTGTGTTCTTGTGCCAAACACAGT
 GACTGTCTCCACTCACCTACCAAGCTGCCATTCTGAAGTGGAGACTCCGGAAGAAGTGAACCTATTT
 TGGTGACACCACCTATCCAAGCCATTGATCAGGACCGAAACATCCAACCACCTCTGATCGACCTGGCAT
 CCTCTACTCCATCCTTGTGGCACCCTGAGGATTACCCCGCTTCTTCCATATGCATCCAGGACTGCA
 GAACTCACTCTCCTGGAGCCAGTAAACAGAGACTTCCATCAAAAATTTGATTTGGTTATTAAGGCTGAGC
 AGGACAATGGCCACCCTTCTGCCTTGTAGTCTGCACATCGAAATACTAGACGAAAACAATCAGAG
 TCCATACTTACAATGCCAGCTATCAAGGATACATCCTGGAATCCGCCAGTGGGAGCCACCATTCT
 GAGAGCCTAAACTTAACCACTCCTCTGAGAATTGTAGCTCTGGACAAAGACATAGAAGACACAAAAGATC
 CAGAGCTCCACCTTCTCCTGAATGACTACACCTCGGTCTTCACTGTGACACCCACTGGTATCACCCGCTA
 CCTCACCTGCTTCAACCTGTGGACAGGGAGGAACAGCAAACCTACACCTTTCTGATAACAGCGTTTGT
 GGCGTGCAAGAAAGTGAAGCCAGTCTGGTCAATATCCGAGTGTGGATGCAAATGATAACAGCCACCT



TCCCTGAAATCTCCTATGATGTCTATGTTTACACAGACATGAGTCTGGGGACAGCGTCATTCAGCTGAC
 AGCGGTAGATGCTGATGAAGGCTCTAATGGGGAGATCTCCTATGAAATACTGGTGGGGGCAAGGGAGAC
 TTCGTGATCAACAAGACCACAGGGCTGGTGAAGCATTGCACCAGGCGTGGAGCTGATCGTGGGACAGACGT
 ATGCGCTCACAGTGCAGGCTTCGGACAACGCCCGCTGCAGAAAGAAGGCACTCCATCTGCACAGTGTA
 CATCGAGGTGCTTCTCCTAACAAACCAGAGCCCTCCCGCTTCCCGCAGCTGATGTACAGTCTGGAAGTC
 AGCGAGGCCATGAGGATCGGTGCTATTTTATTAATCTACAGGCAACTGATCGAGAGGGAGATCCAATCA
 CATATGCCATCGAGAATGGAGACCCTCAGAGAGTTTTTAATCTTTCAGAAACCACAGGGATTCTCAGCCCT
 AGGGAAGGCTCTAGACCCGAGAGCACAGACCGCTACATCCTCATCGTCACAGCCTCAGATGGCAGACCG
 GATGGAACCTCAACTGCCACTGTGAACATAGTGGTGACGGACGTCAATGACAACGCTCCCGTGTTCGATC
 CCTATCTGCCAGGAACCTCTCTGTGGTGGAGGAAGAAGCCAATGCCTTTGTGGGTCAAGTCCGGGCAAC
 AGACCCAGATGCTGGGATAAACGGCCAAGTTCCTACAGCCTGGGGAACCTCAACAACCTCTCCGCATC
 ACATCCAACGGGAGCATTACACAGCCGTGAAGCTGAACAGGGAAGCCAGGGACCACTATGAACTGGTTG
 TCGTGGCAACAGATGGAGCAGTCCACCCTCGACATTCAACTCTGACACTGTACATCAAGGTGTTGGACAT
 TGATGATAACAGTCTGTTTTTACCAATCAACGTACACAGTTGTCGTTGAAGAGAATCTGCCAGCCGGG
 ACCTCCTTTCTCAAATAGAGGCCAAGGATGTTGACCTTGAGGCCAATGTGTCATATCGGATCAGAAGCC
 CAGAAGTGAAACACCTTTTTGCACTGCATCCATCACTGGAGAATTGTCTTCTGAGGAGTTTGATTA
 TGAGGCCCTTCCGGACCAGGAGGCAAGCATCACATTCTTGGTGGAGGCCCTTGGACATTTATGGGACTATG
 CCACCTGGTATAGCAACAGTACGGTAATTGTGAAGGACATGAATGACTACCCTCCAGTGTTTAGCAAAC
 GCATCTACAAGGGGATGGTGGCTCCAGATGCAGTCAAGGGGACACCAATCACCACGTTTATGCTGAAGA
 TGCGGACCCACCTGGGATGCCTGCAAGTAGGGTGAAGTATCGAGTGGACGACGTGCAGTTCCATACCCA
 GCCAGTATTTTATGATGTAGAGGAAGATTCTGGAAGAGTAGTAACCCGCGTCAATCTTAATGAAGAGCCTA
 CTACGATTTTCAAGCTGGTGGTTGTGGCTTTTGTGATGACGGCGAACCTGTGATGTCCAGCAGTGCCACGGT
 GAGAATTTCTGTCTTACATCCTGGAGAGATCCCACGCTTACCCCAAGAGGAATACAGACCTCCTCCTGTA
 AGTGAGCTTGCGCCAGAGGGACTGTAGTTGGTGTCTTTCTGCTGCTGCCATTAATCAGAGCATCGTGT
 ACTCCATTGTGGCAGGAAATGAGGAAGCAAGTTTGAATCAACAATGTCACTGGGGTCACTATGTGAA
 TTCACCATTGGATTACGAGACAAGGACCAGCTATGTGCTCCGGGTACAAGCAGATTCTCTGGAAGTGGTC
 CTTGCCAATCTCCGAGTCCCTTCAAAAAGTCTGTCTGTGATACCATGTTTCATGGAGAACCAGGTGTCAA
 AGTCTCTAGGACTGGAGCTAGGGGTGCCTGTGAGCCACAGTGTGGAATCTGGAAC TAGAACTGGGTCCTC
 TACAAGAGCAGCAAGTGTTCCTATCCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001142747
- Insert Size:** 3531 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_001142747.1](#), [NP_001136219.1](#)

RefSeq Size: 4954 bp

RefSeq ORF: 3531 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 (M) has a distinct 3' splice pattern, compared to variant A. The resulting isoform (SI-1), also known as protocadherin-15-secreted isoform 1, has a substantially shorter and distinct C-terminus, compared to isoform CD1-1.