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# Product datasheet for MC225034

## Pcdh15 (NM_001142741) Mouse Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Pcdh15 (NM_001142741) 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:** | >MC225034 representing NM_001142741<br>Red=Cloning site Blue=ORF Orange=Stop codon<br><br>TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC<br>GCCGCGATCGCC<br><br>ATGTTCCTACAGTTTGCTGTCTGGAAGTGTTTACCCCATGGGATCCTCATTGCCTCTCTCTTGGTAGTCA<br>GCTGGGGCCAGTATGACGATGGTACAATTCTGGTGGATAACATGTTGATTAAGGGGACTGCCGGAGGACC<br>AGACCCCACCATAGAGCTCTCTTTAAAGGACAACGTGGACTACTGGGTGTTGCTGGACCCCGTTAAACAG<br>ATGCTTTTCCTGAACAGTACCGGAAGAGTTCTGGATAGAGACCCACCAATGAACATACACTCCATTGTGG<br>TGCAAGTCCAGTGTGTCAACAAGAAGGTTGGCACAGTTATCTATCATGAAGTACGCATCGTGGTGCGAGA<br>TCGGAATGACAACTCCCCCACATTCAAGCATGAAAGCTACTATGCCACCGTGAATGAGCTCACTCCAGTT<br>GGCACCACGATATTCACGGGGTTCTCGGGAGACAATGGAGCTACAGACATAGACGATGGCCCTAATGGAC<br>AGATAGAATACGTGATTCAGTACAACCCAGAAGATCCGACATCCAACGACACCTTTGAAATTCCACTCAT<br>GCTGACTGGCAACGTGGTACTGAGGAAAAGACTCAACTATGAGGATAAGACTCGCTACTATGTCATCATC<br>CAAGCAAATGACCGTGCACAAAATCTGAATGAGAGGCGAACAACCACCACCACCCTCACAGTAGATGTTC<br>TAGATGGAGATGACCTGGGACCTATGTTTCTGCCTTGTGTTCTTGTGCCAAACACACGTGACTGTCGTCC<br>ACTCACCTACCAAGCTGCCATTCCTGAACTGAGGACTCCGGAAGAACTGAACCCTATTTTGGTGACACCA<br>CCTATCCAAGCCATTGATCAGGACCGAAACATCCAACCACCATCTGATCGACCTGGCATCCTCTACTCCA<br>TCCTTGTCGGCACCCCTGAGGATTACCCCCGCTTCTTCCATATGCATCCCAGGACTGCAGAACTCACTCT<br>CCTGGAGCCAGTAAACAGAGACTTCCATCAAAAATTTGATTTGGTTATTAAGGCTGAGCAGGACAATGGC<br>CACCCACTTCCTGCCTTTGCTAGTCTGCACATCGAAATACTAGACGAAAACAATCAGAGTCCATACTTCA<br>CAATGCCCAGCTATCAAGGATACATCCTGGAATCCGCCCCAGTGGGAGCCACCATTTCTGAGAGCCTAAA<br>CTTAACCACTCCTCTGAGAATTGTAGCTCTGGACAAAGACATAGAAGACACAAAAGATCCAGAGCTCCAC<br>CTCTTCCTGAATGACTACACCTCGGTCTTCACTGTGACACCCACTGGTATCACCCGCTACCTCACCCTGC<br>TTCAACCTGTGGACAGGGAGGAACAGCAAACCTACACCTTTCTGATAACAGCGTTTGATGGCGTGCAAGA<br>AAGTGAGCCAGTCGTGGTCAATATCCGAGTGATGGATGCAAATGATAACACGCCCACCTTCCCTGAAATC<br>TCCTATGATGTCTATGTTTACACAGACATGAGTCCTGGGGACAGCGTCATTCAGCTGACAGCGGTAGATG |



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ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM_001142741

**Insert Size:** 5742 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_001142741.1, NP_001136213.1

**RefSeq Size:** 8974 bp

**RefSeq ORF:** 5742 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 (H) lacks three alternate in-frame exons, compared to variant A. The resulting isoform (CD1-10), also known as protocadherin-15-CD1 isoform 10, has the same N- and C-termini but lacks two internal segments, compared to isoform CD1-10.