

Product datasheet for **MC224811**

Pcdh15 (NM_001142746) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pcdh15 (NM_001142746) 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: >MC224811 representing NM_001142746
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTCTACAGTTTGTCTGGAAGTGTACCCCATGGGATCCTCATTGCCTCTCTCTTGGTAGTCA
GCTGGGGCCAGTATGACGATGACTGGCAATACGAGGATTGCAAACAGCTAGGGGAGGACCACCAGCTAC
TATCGTGGCCATTGATGAAGAGAGTCGAAACGGTACAATTCTGGTGGATAACATGTTGATTAAGGGGACT
GCCGGAGGACCAGACCCACCATAGAGCTCTTTAAAGGACAACGTGGACTACTGGGTGTGTGGACC
CCGTTAAACAGATGCTTTTCTGAACAGTACCGGAAGAGTTCTGGATAGAGACCCACCAATGAACATACA
CTCCATTGTGGTCAAGTCCAGTGTGTCAACAAGAAGGTTGGCACAGTTATCTATCATGAAGTACGCATC
GTGGTGCAGATCGGAATGACAACTCCCCACATTCAAGCATGAAAGCTACTATGCCACCGTGAATGAGC
TCACTCCAGTTGGCACCACGATATTCACGGGGTCTCGGGAGACAATGGAGCTACAGACATAGACGATGG
CCCTAATGGACAGATAGAATACGTGATTCAGTACAACCCAGAAGATCCGACATCCAACGACACCTTTGAA
ATTCCACTCATGCTGACTGGCAACGTGGTACTGAGGAAAAGACTCAACTATGAGGATAAGACTCCCTACT
ATGTCATCATCCAAGCAAATGACCGTGCACAAAATCTGAATGAGAGGCGAACAACCACCACCCTCAC
AGTAGATGTTCTAGATGGAGATGACCTGGGACCTATGTTTCTGCCTTGTTCTTGTGCCAAACACACGT
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TGGTGACACCACCTATCCAAGCCATTGATCAGGACCGAAACATCCAACCACCTCTGATCGACCTGGCAT
CCTCTACTCCATCCTTGTGCGCACCCCTGAGGATTACCCCGCTTCTTCCATATGCATCCAGGACTGCA
GAACTCACTCTCCTGGAGCCAGTAAACAGAGACTTCCATCAAAAATTTGATTTGGTTATTAAGGCTGAGC
AGGACAATGGCCACCCACTTCTGCCTTTGCTAGTCTGCACATCGAAATACTAGACGAAAACAATCAGAG
TCCATACTTACAATGCCAGCTATCAAGGATACATCCTGGAATCCGCCAGTGGGAGCCACCATTCT
GAGAGCCTAAACTTAACCACTCCTCTGAGAATTGTAGCTCTGGACAAAGACATAGAAGACACAAAAGATC
CAGAGCTCCACCTTCTCCTGAATGACTACACCTCGGTCTTCACTGTGACACCCACTGGTATCACCCGCTA
CCTCACCTGCTTCAACCTGTGGACAGGGAGGAACAGCAAACCTACACCTTTCTGATAACAGCGTTTGT
GGCGTGCAAGAAAGTGAAGCCAGTCTGGTCAATATCCGAGTGTGGATGCAAATGATAACAGCCACCT



TCCCTGAAATCTCCTATGATGTCTATGTTTACACAGACATGAGTCTGGGGACAGCGTCATTCAGCTGAC
 AGCGGTAGATGCTGATGAAGGCTCTAATGGGGAGATCTCCTATGAAATACTGGTGGGGGCAAGGGAGAC
 TTCGTGATCAACAAGACCACAGGGCTGGTGAAGCATTGCACCAGGCGTGGAGCTGATCGTGGGACAGACGT
 ATGCGCTCACAGTGCAGGCTTCGGACAACGCCCGCTGCAGAAAAGAAGGCACTCCATCTGCACAGTGTA
 CATCGAGGTGCTTCCCTAACAAACCAGAGCCCTCCCCGTTCCCGCAGCTGATGTACAGTCTGGAAGTC
 AGCGAGGCCATGAGGATCGGTGCTATTTTATTAATCTACAGGCAACTGATCGAGAGGGAGATCCAATCA
 CATATGCCATCGAGAATGGAGACCTCAGAGAGTTTTTAATCTTTCAGAAAACCACAGGGATTCTCAGCCT
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 TGAGGCCCTTCCGGACCAGGAGGCAAGCATCACATTCTGGTGGAGGCCCTTGTGACTTTATGGGACTATG
 CCACCTGGTATAGCAACAGTCAAGGTAATTGTGAAGGACATGAATGACTACCCCTCCAGTGTTTAGCAAAC
 GCATCTACAAGGGGATGGTGGCTCCAGATGCAGTCAAGGGGACACCAATCACCACCGTTTATGCTGAAGA
 TGCGGACCCACCTGGGATGCCTGCAAGTAGGGTGAAGTATCGAGTGGACGACGTGCGATTTCCATACCCA
 GCCAGTATTTTGTAGTAGGAAGATTCTGGAAGAGTAGTAACCCGCGTCAATCTAATGAAGAGCCTA
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 GAGAATTTCTGTCTTACATCCTGGAGAGATCCCACGCTTACCCAAAGAGGAATACAGACCTCCTCCTGTA
 AGTGAGCTTGCGCCAGAGGGACTGTAGTTGGTGTCAATTTCTGCTGCTGCCATTAAATCAGAGCATCGTGT
 ACTCCATTGTGGCAGGAAATGAGGAAGCAAGTTTGAATCAACAATGTCACTGGGGTCACTATGTGAA
 TTCACCATTGGATTACGAGACAAGGACCAGCTATGTGCTCCGGTACAAGCAGATTCTCTGGAAGTGGTC
 CTTGCCAATCTCCGAGTCCCTTCAAAAAGCAATACAGCTAAGGTGTACATTGAGATTGAGGATGAAAACG
 ATCACCCCCAGTGTCCAGAAGAAATCTACATTGGAGGTGTGCTGAAGACGCAAGGATGTTCCGCATC
 TGTGCTCAGAGTGAAGGCCACCGACAGGGACACGGTAATTACAGTGCCATGGCCTACCGGCTCATCATA
 CCGCCGATTAAGAGGGCAAAGAGGGTTTGTGGTGGAAACATACACAGGTCTCATCAAGACAGCCATGC
 TCTTCCACAATATGAGAAGATCCTACTTCAAGTTTCAAGTGATTGCAACTGACGACTACGGGAAGGGTT
 GAGCGGGAAGCAGACGTAAGTGTCCGTGGTCAATCAACTGGATATGCAGGTCAATGTCTCCAATGTG
 CCCCTACACTAGTGAAAGAAGATAGAAGACCTTACAGAGATTTTGGATCGCTACGTTACAGGAGCAAA
 TTCTGGTGGCAAGGTTGTGGTGGAGTCCATAGGTGCCCGTCCGCATGGAGACGCCTACTCCCTAGAAGA
 CTATAGCAAGTGCACCTGACTGTCTATGCCATCGACCCGACACCAACAGAGCCATCGACAGAAATGAG
 CTTTTAAGTTCCTGGACGGCAACTGCTCGATATCAATAAAGACTTCCAGCCGATTACGGGGAAGGAG
 GGCGCATTCTGGAGATTCGGACACCTGAGGCAGTGACGAGCATCAAGAAGCGAGGAGAAAGCTTGGGGTA
 CACAGAAGGGGCTTGTGGCCTTGGCCTTTCATCATCCTCTGTTGCATCCCAGCCATCTTGGTCTGCT
 TTAGTAAGCTACCGACAGTTTAAAGTACGCCAGGCTGAGTGACGAAAGACCGCAAGAAATCAGTCTGCTA
 TGCTGCAGCCAAGCCTGCAGTCTGTACCAGCTGCGCCTGCGCCGCCCCGCCACCACCACC
 ACCAGGAGCACAATCTCTATGAAGAAGTGGGAGAGAGCGCAATGCATAAGTATGAGATGCCCCAGTATGGA
 AGTCCGCTCGACTGCTGCCACCTGCTGGACAGGAGGAATACGGCGAAGTCAATGGTGAAGTGAAGAGG
 AATATGAAGAAGAAGAGTGGGCAAGAAAAGAATGATCAAGTTGGTGGTGCATCGGGAGTATGAGAGCAG
 CTCACCTGGGGAAGACAGCGCTCCTGAGTGCAGAGAAGCAGAACTCACAAGCCAGTGGCCGACGAAT
 GTCAACGGCAACATCTACATTGCGCAGAATGGTCCGTGGTGAAGAACACGCCGTGCCTGCGTGCCTGATA
 ACTTGAAGGTGCCCTCCCCTGGGTTGCTGGGAGGCATCTGAAGAAATTAGACACATTGGCAGGGACACG
 TGAAGAGAATGTCCCTGAACACACTGTTCAAGGGCCATTTCCACAGAGAAAGCGAAAAGAACCCCA
 ACTCTGGTCAAGTTTGCCTGCGCCGTTGGTGGCTGAGCACTCGGCAGTGAAGCCATCAGGGACAGGC
 TGAAACACACAGCTGAGCAGGAGTCCATGGTAGACAGTAGGCTCTCCAGAGAGTCCATGGAATCCACGG
 TGACAGCGGCCATCAGATGAGGAGGAGCTCTGGATGGTCCGTGGAACAGCCTCCACATACCAATGACA
 AACTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001142746
Insert Size:	5049 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:	<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_001142746.1, NP_001136218.1</u>
RefSeq Size:	9150 bp
RefSeq ORF:	5049 bp
Locus ID:	11994
UniProt ID:	<u>Q99PJ1</u>
Cytogenetics:	10 37.43 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (K) has a distinct 3' splice pattern, compared to variant A. The resulting isoform (CD3-1), also known as protocadherin-15-CD3 isoform 1, has a distinct and longer C-terminus, compared to isoform CD1-1.</p>