

Product datasheet for **MC225049**

Pcdh15 (NM_001142740) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pcdh15 (NM_001142740) 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: >MC225049 representing NM_001142740
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTCTACAGTTTGTCTGGAAGTGTACCCCATGGGATCCTCATTGCCTCTCTCTTGGTAGTCA
GCTGGGGCCAGTATGACGATGATTGCAAAGTACTAGGGGAGGACCACCAGCTACTATCGTGCCATTGA
TGAAGAGAGTCGAAACGGTACAATTCTGGTGGATAACATGTTGATTAAGGGGACTGCCGGAGGACCAGAC
CCCACCATAGAGCTCTCTTTAAAGGACAACGTGGACTACTGGGTGTTGCTGGACCCCGTTAAACAGATGC
TTTTCTGAACAGTACCGGAAGAGTTCTGGATAGAGACCCACCAATGAACATACACTCCATTGTGGTGCA
AGTCCAGTGTGTCAACAAGAAGTTGGCACAGTTATCTATCATGAAGTACGCATCGTGGTGGGAGATCGG
AATGACAACTCCCCACATTCAAGCATGAAAGCTACTATGCCACCGTGAATGAGCTCACTCCAGTTGGCA
CCACGATATTCACGGGGTTCCTGGGAGACAATGGAGCTACAGACATAGACGATGGCCCTAATGGACAGAT
AGAATACGTGATTCAGTACAACCCAGAAGATCCGACATCCAACGACACCTTTGAAATCCACTCATGCTG
ACTGGCAACGTGGTACTGAGGAAAAGACTCAACTATGAGGATAAGACTCGCTACTATGTCATACCCAAG
CAAATGACCGTGCACAAAATCTGAATGAGAGGCGAACAACCACCACCTCACAGTAGATGTTCTAGA
TGGAGATGACCTGGGACCTATGTTTCTGCCTTGTGTTCTTGTGCCAAACACACGTGACTGTCGTCCACTC
ACCTACCAAGCTGCCATTCTGAACTGAGGACTCCGGAAGAAGTGAACCTATTTTGGTGACACCACCTA
TCCAAGCCATTGATCAGGACCGAAAACATCCAACCACCTCTGATCGACCTGGCATCCTCTACTCCATCCT
TGTGCGCACCCCTGAGGATTACCCCGCTTCTTCCATATGCATCCAGGACTGCAGAACTCACTCTCCTG
GAGCCAGTAAACAGAGACTTCCATCAAAAATTTGATTTGGTTATTAAGGCTGAGCAGGACAATGGCCACC
CACTTCTGCCTTTGCTAGTCTGCACATCGAAATACTAGACGAAAACAATCAGAGTCCATACTTCACAAT
GCCCAGCTATCAAGGATACATCCTGGAATCCGCCAGTGGGAGCCACCATTTCTGAGAGCTAACTTA
ACCACTCTCTGAGAATTGTAGCTCTGGACAAAGACATAGAAGACACAAAAGATCCAGAGCTCCACCTCT
TCTGAAATGACTACACCTCGGTCTTCACTGTGACACCCACTGGTATCACCGCTAGCTCACCTGCTTCA
ACCTGTGGACAGGGAGGAACAGCAAACCTACACCTTTCTGATAACAGCGTTTGTGGCGTGCAAGAAAGT
GAGCCAGTCGTGGTCAATATCCGAGTGTGGATGCAAAATGATAACACGCCACCTTCCCTGAAATCTCCT



ATGATGTCTATGTTTACACAGACATGAGTCTGGGGACAGCGTCATTAGCTGACAGCGGTAGATGCTGA
TGAAGGCTCTAATGGGGAGATCTCCTATGAAATACTGGTGGGGGCAAGGGAGACTTCGTGATCAACAAG
ACCACAGGGCTGGTGAGCATTGCACCAGGCGTGGAGCTGATCGTGGGACAGACGTATGCGCTCACAGTGC
AGGCTTCGGACAACGCCCCCGCTGCAGAAAAGAGGCACTCCATCTGCACAGTGTACATCGAGGTGCTTCC
TCCTAACAAACCAGAGCCCTCCCCGCTTCCCGCAGCTGATGTACAGTCTGGAAGTCAGCGAGGCCATGAGG
ATCGGTGCTATTTTATTAATCTACAGGCAACTGATCGAGAGGGAGATCCAATCACATATGCCATCGAGA
ATGGAGACCCTCAGAGAGTTTTTAACTTTTCAGAAAACCACAGGGATTCTCAGCTAGGGAAGGCTCTAGA
CCGCGAGAGCACAGACCGCTACATCCTCATCGTCACAGCCTCAGATGGCAGACCGGATGGAACCTCAACT
GCCACTGTGAACATAGTGGTGACGGACGTCAATGACAACGCTCCCGTGTTGATCCCTATCTGCCAGGA
ACCTCTCTGTGGTGGAGGAAGAAGCCAATGCCTTTGTGGGTCAAGTCCGGGCAACAGACCCAGATGCTGG
GATAAACGGCCAAGTTCACACAGCCTGGGGAACCTCAACAACCTCTCCGCATCACATCCAACGGGAGC
ATTTACACAGCCGTGAAGCTGAACAGGGAAGCCAGGGACCACTATGAACTGGTGTGCTGGCAACAGATG
GAGCAGTCCACCCTCGACATTCAACTCTGACACTGTACATCAAGGTGTTGGACATTGATGATAACAGTCC
TGTTTTTACCAATTCAACGTACACAGTTGCTGTTGAAGAGAATCTGCCAGCCGGGACCTCCTTTCTTCAA
ATAGAGGCCAAGGATGTTGACCTTGAGCCAATGTGTCATATCGGATCAGAAGCCAGAAGTGAACACC
TTTTTGACTGCATCCATTCACCTGGAGAATTGTCTCTTCTGAGGAGTTTGGATTATGAGGCCCTTCCGGA
CCAGGAGGCAAGCATCACATTCTTGGTGGAGGCCCTTGGACATTTATGGGACTATGCCACCTGGTATAGCA
ACAGTCACGGTAATTGTGAAGGACATGAATGACTACCCTCCAGTGTTAGCAAACGCATCTACAAGGGGA
TGGTGGCTCCAGATGCAGTCAAGGGGACACCAATCACCACCGTTTATGCTGAAGATGCGGACCCACCTGG
GATGCCTGCAAGTAGGGTGAAGTATCGAGTGGACGACGTGCGATTTCCATACCCAGCCAGTATTTTTGAT
GTAGAGGAAGATTCTGGAAGAGTAGTAACCCGCGTCAATCTTAAAGAGCCTACTACGATTTTCAAGC
TGGTGGTTGTGGCTTTTGTGACGGCGAACCTGTGATGTCAGCAGTGCCACGGTGAAGTGTGCTTCTGCTT
ACATCTGGAGAGATCCCACGCTTCAACCAGAGGAATACAGACCTCCTCTGTAAGTGAAGTGTGCTTGGG
AGAGGGACTGTAGTTGGTGTCAATTTCTGCTGCTGCCATTAATCAGAGCATCGTGTACTCCATTGTGGCAG
GAAATGAGGAAGACAAGTTTGAATCAACAATGTCACTGGGGTCACTATGTGAATTCACCATTTGGATTA
CGAGACAAGGACCAGCTATGTGCTCCGGGTACAAGCAGATTCTCTGGAAGTGGTCTTGGCAATCTCCGA
GTCCCTTCAAAAAGCAATACAGCTAAGGTGTACATTGAGATTGAGGATGAAAACGATCACCCCCAGTGT
TCCAGAAGAAATCTACATTGGAGGTGTGTCTGAAGACGCAAGGATGTTGCGATCTGTGCTCAGAGTGAA
GGCCACCAGACAGGGACACGGTAATTACAGTGCCATGGCCTACCGGCTCATCATACCGCGGATTAAGAG
GGCAAAGAGGGGTTTGTGGTGGAAACATACACAGGTCTCATCAAGACAGCCATGCTTCCACAATATGA
GAAGATCTACTCAAGTTTCAAGTGATTGCAACTGACGACTACGGGAAGGGTTGAGCGGGAAGCAGA
CGTACTGGTCTCCGTGGTCAATCAACTGGATATGCAGGTATTGTCTCCAATGTGCCCCCTACACTAGTG
GAAAAGAAGATAGAAGACCTTACAGAGATTTTGGATCGCTACGTTTCAGGAGCAAATTCCTGGTGCCAAGG
TTGTGGTGGAGTCCATAGGTGCCCGTCGCCATGGAGACGCTACTCCCTAGAAGACTATAGCAAGTGCGA
CCTGACTGTCTATGCCATCGACCCGACAGCAACAGAGCCATCGACAGAAATGAGCTTTTTAAGTTCCTG
GACGGCAAACCTGCTCGATATCAATAAAGACTTCCAGCCGATTACGGGGAAGGAGGGCGCATTCTGGAGA
TTCGGACACCTGAGGCAGTGACGAGCATCAAGAAGCGAGGAGAAAGCTTGGGGTACACAGAAGGGGCCTT
GCTGGCCTTGGCCTTCATCATCATCTCTGTGTCATCCCAGCCATCTTGGTGTCTTAGTAAAGTACCGA
CAACGCCAGGCTGAGTGCAGCAAGACCCGAAGAATTCAGTCTGCTATGCCTGCAGCAAGCCTGCAGCTC
CTGTACCAGCTGCGCCTGCGCCGCCCCCGCCGCCACCACCAGGAGCACATCTCTATGAAGA
ACTGGGAGAGAGCGCAATTTCTTCTCTCTACCATTTTGAACAAGCAGGGGAATAACTCAGTCCCA
GAAGACAGGAGCAGTATCGCGATGGGATGGCCTTTTCTCCAGTACCACTGAGTCTCATGAGCCAGCTC
ATGTAGAGGGACCACTTAAGGAGAGCCAGCCTAACCCAGCAAGGACGTTCTCATTGTTCTGATGAGGA
TAACCTAAGTACCATAATCCCCTTTACATGGAAAGTATAGGTCAAAGGTCAACAACTCAGACCTTCAG
CCACGAACAGATTTTGAAGAGCTGTTGGCACCCAGAACACAAGTTAAGAGTCAAGTCTGAGGGGCCCAA
GAGAAAAGATCCAGAGGGTGTGGAATCAGTCTGTGAGCTTTCCTAGGCGGCTCATGTGAAAAGCCCCAA
CAGGCCAGAGACCATAGACCTGGTGGAGTGGCAGATCACCAATCAGAGAGCTGAATGCGAAAAGGCCAGA
TGCCACCCAAGCCAGAGAGGTAGCAGCAACGTTCTGCTGGCAACTGAAGATGCCACGAGTCAAGAAAAG
AAGGGGGACACAGAGACCCCTAATCGTCCAGCAAACAGAGCAGCTGAAATCTCTGTCTTCTGGCTTCT
TTTTCTCTCTTGGTCTCACTTTTCTTCTCAACTCTGCCAACGATTTCCAGAGCGGTGGAACCTCGGG
TCGGAACCTAATGTGGTCACTTCTCCCGTCTGACCTTGGAACTTTCTCTCTCTGAGACCCCGTA
TTTTAACTCCTTAAGCTCTAAGAGAGAGACTCCACATGTGCATCAGATACAGAACCAAAAAGGAAC

```
TTTTGAGATCGCTCCCCATCCACCTAGCATCTCTGCTCCCTCCACATCCGCCTTTCCTAGACCTCCC  
ATTGCCTTTACCACTTTTCTCTTCCCCTTCTCCCCCTAACCTCCTCCCCACAACCTGTTACATTTT  
CTCTTCCATTCTACACCCCTACTTCTTCTCTACCTTCTCCTCCTCCACTGTCACTTCTCTCTCTCC  
TCGGCCACCAGCTCCCCGCCTCTTCCCACAGCCTCTTCCACGTCCATTCCATCCACAGACAGCATCTCT  
GCACCAGCTGCTAAATGCACTGCCAGTGCCACACACGCCAGAGAAACCACGTCTACGACACAGCCACCAG  
CATCCAACCCGAGTGGGGGGCAGAACCCACAGACATCCAAAAGGGATCCTCAGACATGTGAAAAACTT  
GGCAGAGCTCGAGAAATCAGTGTCTAACATGTACAGTCACATAGAAAAAACTGCCACCTGCAGATCCC  
TCAAAACTACACAGTTTTTGCCTGCAGAGAAAACAGGCATGAAAATCACACATGACCAGAGCCAGGAAA  
CGTTGGTTAGAGTTGTTGAGGAATTGACGTGCAACCTCACAGTCAATCAACATCTTTGTA
```

```
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001142740
Insert Size:	5802 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_001142740.1</u> , <u>NP_001136212.1</u>
RefSeq Size:	9034 bp
RefSeq ORF:	5802 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 (E) lacks three alternate in-frame exons, compared to variant A. The resulting isoform (CD1-7), also known as protocadherin-15-CD1 isoform 7, has the same N- and C-termini but lacks three internal segments, compared to isoform CD1-1.</p>