

Product datasheet for MC224987

Pcdh15 (NM_001142737) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh15 (NM_001142737) 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:	>MC224987 representing NM_001142737 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTCTACAGTTTGTCTGGAAGTGTACCCCATGGGATCCTCATTGCCTCTCTCTTGGTAGTCA
GCTGGGGCCAGTATGACGATGATTGCAAACTAGCTAGGGGAGGACCACCAGCTACTATCGTGCCATTGA
TGAAGAGAGTCGAAACGGTACAATTCTGGTGGATAACATGTTGATTAAGGGGACTGCCGGAGGACCAGAC
CCCACCATAGAGCTCTCTTTAAAGGACAACGTGGACTACTGGGTGTTGCTGGACCCGTTAAACAGATGC
TTTTCTGAACAGTACCGGAAGAGTTCTGGATAGAGACCCACCAATGAACATACACTCCATTGTGGTGCA
AGTCCAGTGTGTCAACAAGAAGTTGGCACAGTTATCTATCATGAAGTACGCATCGTGGTGGGAGATCGG
AATGACAACTCCCCACATTCAAGCATGAAAGCTACTATGCCACCGTGAATGAGCTCACTCCAGTTGGCA
CCACGATATTCACGGGGTTCCTGGGAGACAATGGAGCTACAGACATAGACGATGGCCCTAATGGACAGAT
AGAATACGTGATTCAGTACAACCCAGAAGATCCGACATCCAACGACACCTTTGAAATCCACTCATGCTG
ACTGGCAACGTGGTACTGAGGAAAAGACTCAACTATGAGGATAAGACTCGCTACTATGTCATCATCCAAG
CAAATGACCGTGCACAAAATCTGAATGAGAGGCGAACAACCACCACCCTCACAGTAGATGTTCTAGA
TGGAGATGACCTGGGACCTATGTTTCTGCCTTGTGTTCTTGTGCCAAACACAGTACTGTCGTTCCACTC
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TCCAAGCCATTGATCAGGACCGAAAACATCCAACCACCTCTGATCGACCTGGCATCCTCTACTCCATCCT
TGTCGGCACCCCTGAGGATTACCCCGCTTCTTCCATATGCATCCAGGACTGCAGAACTCACTCTCCTG
GAGCCAGTAAACAGAGACTTCCATCAAAAATTTGATTTGGTTATTAAGGCTGAGCAGGACAATGGCCACC
CACTTCTGCCTTTGCTAGTCTGCACATCGAAATACTAGACGAAAACAATCAGAGTCCATACTTCACAAT
GCCAGCTATCAAGGATACATCCTGGAATCCGCCAGTGGGAGCCACCATTTCTGAGAGCTAACTTA
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TCTGAAATGACTACACCTCGGTCTTCACTGTGACACCCACTGGTATCACCCGCTAGCTCACCTGCTTCA
ACCTGTGGACAGGGAGGAACAGCAAACCTACACCTTTCTGATAACAGCGTTTGTGGCGTGCAAGAAAGT
GAGCCAGTCTGGTCAATATCCGAGTGTGGATGCAAAATGATAACACGCCACCTTCCCTGAAATCTCCT



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ATGATGTCTATGTTTACACAGACATGAGTCCTGGGGACAGCGTCATTAGCTGACAGCGGTAGATGCTGA
 TGAAGGCTCTAATGGGGAGATCTCTATGAAATACTGGTGGGGGCAAGGGAGACTTCGTGATCAACAAG
 ACCACAGGGCTGGTGAGCATTGCACCAGGCGTGGAGCTGATCGTGGGACAGACGTATGCGCTCACAGTGC
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 CGAGAGCACAGACCGCTACATCCTCATCGTCACAGCCTCAGATGGCAGACCGGATGGAACCTCAACTGCC
 ACTGTGAACATAGTGGTGACGGACGTCATGACAACGCTCCCGTGTTCGATCCCTATCTGCCAGGAACC
 TCTCTGTGGTGGAGGAAGAAGCCAATGCCTTTGTGGGTCAAGTCCGGGCAACAGACCAGATGCTGGGAT
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 CCTTCAAAAAGCAATACAGCTAAGGTGTACATTGAGATTGAGGATGAAAACGATCACCCCAAGTGTTC
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 GATCCTACTTCAAGTTTCAAGTATTGCAACTGACGACTACGGGAAGGGGTTGAGCGGAAAGCAGACGT
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 TTTAAAGTACGCCAGGCTGAGTGCACGAAGACCGCAAGAATTCAGTCTGCTATGCCTGCAGCCAAGCCTG
 CAGCTCCTGTACCAGCTGCGCTGCGCCGCCCGCCCGCCACCACCACCAGGAGCACATCTCTA
 TGAAGAAGTGGGAGAGAGCGCAATGCATAATCTTTCTTCTCTACCATTTTGAACAAAGCAGGGGAAAT
 AACTCAGTCCCAGAAGACAGGAGCAGTCAATCGGATGGGATGGCCTTTTCTCCAGTACCACTGATCTC
 ATGAGCCAGCTCATGTAGAGGGACCACTTAAGGAGAGCCAGCCTAACCCAGCAAGGACGTTCTCATTGT
 TCCTGATGAGGATAACTTAAGTACCATAATCCCTTTACATGGAAGTATAGGTCAAAGTCAACAAAC
 TCAGACCTTACGCCACGAACAGATTTTGAAGAGCTGTTGGCACCCAGAACAAGTTAAGAGTCACTCTC
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 TGAGACCCCGTATTTTAACTCCTTAAGCTCTAAGAGAGAGACTCCACATGTGCATCAGATACAGAACC
 AAAAAGGAACTCTTTGAGATCGCTCCCATCCACCTAGCATCTCTGCTCCCTCCACATCCGCTCTT
 CCTAGACCTCCCATTTGCCTTTACCCTTTTCTCTTCCCTTTCTCCCTTAACCCTCTCCCCACAAC
 TTGTTACATTTTCTTCCATTTCTACACCCCTACTTCTTCTACCTTCTCCTCCTCACTGTCACT

TCCTCCTCCTCCTCGGCCACCAGCTCCCCGCTCTTCCCACAGCCTCCTCCACGTCCATTCCATCCACA
 GACAGCATCTCTGCACCAGCTGCTAAATGCACTGCCAGTGCCACACACGCCAGAGAAACCACGTCTACGA
 CACAGCCACCAGCATCCAACCCGAGTGGGGGGCAGAACCCACAGACATCCAAAAGGGATCCTCAGACA
 TGTGAAAAACTTGGCAGAGCTCGAGAAATCAGTGTCTAACATGTACAGTCACATAGAAAAAACTGCCCA
 CCTGCAGATCCCTCAAACTACACAGTTTTGCCCTGCAGAGAAAACAGGCATGAAAATCACACATGACC
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 GTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001142737
- Insert Size:** 5604 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_001142737.1](#), [NP_001136209.1](#)
- RefSeq Size:** 8836 bp
- RefSeq ORF:** 5604 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 (D) lacks an alternate in-frame exon in the 5' coding region and two alternate in-frame exons in the central coding region, compared to variant A. The resulting isoform (CD1-6), also known as protocadherin-15-CD1 isoform 6, lacks a 5-aa segment near the N-terminus and a 71-aa segment in the central protein, compared to isoform CD1-1.