

Product datasheet for MC224812

Pcdh15 (NM_001142760) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh15 (NM_001142760) 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:	>MC224812 representing NM_001142760 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCTACAGTTTGCTGTCTGGAAGTGTACCCCATGGGATCCTCATTGCCTCTCTCTTGGTAGTCA
GCTGGGGCCAGTATGACGATGATTGCAAAGTACTAGGGGAGGACCACCAGCTACTATCGTGCCATTGA
TGAAGAGAGTCGAAACGGTACAATTCTGGTGGATAACATGTTGATTAAGGGGACTGCCGGAGGACCAGAC
CCCACCATAGAGCTCTCTTTAAAGGACAACGTGGACTACTGGGTGTTGCTGGACCCGTTAAACAGATGC
TTTTCTGAACAGTACCGGAAGAGTTCTGGATAGAGACCCACCAATGAACATACACTCCATTGTGGTGCA
AGTCCAGTGTGTCAACAAGAAGTTGGCACAGTTATCTATCATGAAGTACGCATCGTGGTGGCAGATCGG
AATGACAACTCCCCACATTCAAGCATGAAAGCTACTATGCCACCGTGAATGAGCTCACTCCAGTTGGCA
CCACGATATTCACGGGGTTCCTGGGAGACAATGGAGCTACAGACATAGACGATGGCCCTAATGGACAGAT
AGAATACGTGATTCAGTACAACCCAGAAGATCCGACATCCAACGACACCTTTGAAATCCACTCATGCTG
ACTGGCAACGTGGTACTGAGGAAAAGACTCAACTATGAGGATAAGACTCGCTACTATGTCATCATCCAAG
CAAATGACCGTGCACAAAATCTGAATGAGAGGCGAACAACCACCACCTCACAGTAGATGTTCTAGA
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TGTGCGCACCCCTGAGGATTACCCCGCTTCTTCCATATGCATCCAGGACTGCAGAACTCACTCTCCTG
GAGCCAGTAAACAGAGACTTCCATCAAAAATTTGATTTGGTTATTAAGGCTGAGCAGGACAATGGCCACC
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GCCAGCTATCAAGGATACATCCTGGAATCCGCCAGTGGGAGCCACCATTTCTGAGAGCTAACTTA
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GAGCCAGTCGTGGTCAATATCCGAGTGTGGATGCAAAATGATAACACGCCACCTTCCCTGAAATCTCCT



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ATGATGTCTATGTTTACACAGACATGAGTCTGGGGACAGCGTCATTAGCTGACAGCGGTAGATGCTGA
TGAAGGCTCTAATGGGGAGATCTCTATGAAATACTGGTGGGGGCAAGGGAGACTTCGTGATCAACAAG
ACCACAGGGCTGGTGAGCATTGCACCAGGCGTGGAGCTGATCGTGGGACAGACGTATGCGCTCACAGTGC
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AGAGGGACTGTAGTTGGTGTCAATTTCTGCTGCTGCAATTAATCAGAGCATCGTGTACTCCATTGTGGCAG
GAAATGAGGAAGACAAGTTTGAATCAACAATGTCACTGGGGTCACTATGTGAATTCACCATTTGGATTA
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TCCAGAAGAAATCTACATTGGAGGTGTGTCTGAAGACGCAAGGATGTTGCGATCTGTGCTCAGAGTGAA
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GAAAAGAAGATAGAAGACCTTACAGAGATTTTGGATCGCTACGTTGAGGAGCAAATTCCTGGTGCCAAGG
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CCTGACTGTCTATGCCATCGACCCGAGACCAACAGAGCCATCGACAGAAATGAGCTTTTAAAGTTCCTG
GACGGCAAACCTGCTCGATATCAATAAAGACTTCCAGCCGATTACGGGGAAGGAGGGCGCATTCTGGAGA
TTCGGACACCTGAGGCAGTGACGAGCATCAAGAAGCGAGGAGAAAGCTTGGGTACACAGAAGGGGCCTT
GCTGGCCTTGGCCTTCAATCATCTCTGTGTCATCCAGCCATCTTGGTGTCTTAGTAAAGTACCGA
CAGTTTAAAGTACGCCAGGCTGAGTGCACGAAGACCCGCAAGAATTCAGTCTGCTATGCCTGCAGCCAAGC
CTGCAGCTCCTGTACCAGCTGCGCCTGCGCCGCCCGCCCGCCACCACCACCAGGAGCACATCT
CTATGAAGAAGTGGGAGAGAGCGCAATGCATAAGTATGAGATGCCCCAGTATGGAAGTCCCGTCCACTG
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AGTGGGCAAGAAAAGAATGATCAAGTTGGTGGTGCATCGGGAGTATGAGAGCAGCTCACCTGGGGAAGA
CAGCGCTCCTGAGTCGCAGAGAAGCAGAACTCACAAGCCAGTGGCCGACGCAATGTCAACGGCAACATC
TACATTGCGCAGAATGGTCCGTGGTGAAGAACGCGCTGCTGCGTGCCTGATAACTTGAAGGTGCCCT
CCCCTGGGTTGCTTGGGAGGCATCTGAAGAAATTAGACACATTGGCAGGGACACGTGAAGAGAATGTGCC
CCTGAACACACTGTTCAAGGGGCCATTTCCACAGAGAAAAGCGAAAAGAACCCCAACTCTGGTACGTTT
GCCCGTGCCTGGTGGTGGCTGAGCACTCGGCAGTGAAGCCATCAGGGACAGGCTGAAACACACAGCTG
AGCAGGAGTCCATGGTAGACAGTGGCTCTCCAGAGAGTCGATGGAATTCACCGGTGACAGCGGCCATC
AGATGAGGAGGAGCTCTGGATGGTCCGTGGAACAGCCTCCACATACCAATGACAAAACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001142760
Insert Size:	5034 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_001142760.1</u> , <u>NP_001136232.1</u>
RefSeq Size:	9135 bp
RefSeq ORF:	5034 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 (L) lacks an alternate in-frame exon in the 5' coding region and has a distinct 3' splice pattern, compared to variant A. The resulting isoform (CD3-2), also known as protocadherin-15-CD3 isoform 2, lacks a 5-aa segment near the N-terminus and has a distinct and longer C-terminus, compared to isoform CD1-1.</p>