

Product datasheet for **MC200822**

Cldn11 (BC021659) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cldn11 (BC021659) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cldn11
Synonyms:	Claudin11, Claudin-11
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC021659
 CCACGCGTCCGCGCTGCACGCTGTCGCAGCAGTGCTCGCAGCCGCTCTCTCCCCATCTCGAGTAGCCCGG
 AGCCAGCGGCTCGCGAGGGCCAAGAGGGCAAGCCTAGGGAAGGCTCTGTCCAGGACGACACAGGGGGCAC
 AATCCGTGTGAGTCGAGCTGCGTGGACGTGCGTGGCCACCATTGGTAGCCACTTGCCCTCAGGTGGTGG
 GTTTCGTACGAGCTTCGTGGGTGGATTGGCATCATCGTCACAACGTCCACCAATGACTGGGTGGTGAC
 CTGCAGCTACACCATCCCACCTGCCGAAAAATGGACAACTGGGCTCCAAGGCCTGTGGGCTGACTGC
 GTCATGGCCACTGGTCTCTACCACTGCAAAACCCTGGTGGACATCCTCATCCTTCCAGGCTACGTGCAGG
 CTTGTAGAGCCCTCATGATTGCTGCCTCCGTTCTGGGCCTGCCCGCCATCTTGTGCTGTTGACAGTTCT
 CCCCTGCATCCGAATGGGCCACGAGCCTGGAGTGGCCAAGTACAGGCGAGCCAGCTGGGTGGGTGCTC
 CTTATTCTGCTGGCTCTCTGCGCCATTGTGCGCACCATTGGTTTCTGTATGTGCCACCAGCGAGATCA
 CCATCGTGAGCTTTGGCTACTCGCTGTACGCAGGTTGGATCGGTGCTGTGATGTGCCTGGTGGGTGGCTG
 TGTATCGTCTGCTGCTCCGGGGATGCACAGTCATTTGGAGAAAACCGTTTCTATTACTCTTCTGGTTCC
 AGCTCGCAACGCATGCCAAGAGTGCCCATGTCTAAGAGGGCTGCTCCACTGCCCGCAGGTGCTGTAA
 ATGCTGGCCCTGGCCCTGGGTTTGTCTGCCACAGTGGGAGAAGCCACTTCCCTGCCAGGCACTAAAG
 CCAAAGTTCTAGAAAGTATCCTGCCCGGCATTTTGAAGTCGTAACACCCACCCACCCACCCACTT
 CTTGGCTGCCTTAAAAGAAAGCTTAGCTCAGTTAATGCCACATAGTTTCTCCTGGAGTTGCGGGCTG
 TGGCTGTTTGTCTTTCTCGGGCATTCCATTGTTGTTGATTAATAAATAATTTTGTCTCTTAAAT
 TCAAAATGCTTGGGAACATTGCTGACTTGGGTGTGGATTGGGAAAGAAATAAAGATGCTTTTCAAAGGG
 TTACCAACGACAGTGGAAAGCCTTATAGAGACAGCTCTCTTCTCCCTTTCGGCTTAGTTTCAAAGTCACTT
 ATATATAAGAGATAGAAATGGATAGATTGGGAACCGGTTGGGAGGGGAACTCAGAGCTTCCCTCCACG
 GGAAGCTTCTCTTTATAAGTTGAGGGGTTGGGTGCTTTTTTTTTTTTTAGTTTGCATTTTACATTTT
 TCTGTACGTACTTTTTCAAGATTGATCATTTTTATAACCACGGGTTTCTGAAAAATCTCAATTCACCAA
 TATGAAGGAAATGAACCAAGCAGACGTTAATATGCAATAAATAATAGTACGAAGATTATAACTTTAACTG
 ACTGCCACGGTTTCCAGGTTTGTATGCTATAGTTTTTAAATCCTATGGTTGCATATGCTTCAAATTAACA
 CATTAAAAATCTTTTCTCCCTTCTATTTCTGTCTCCATTCTGTAGAGACCATGAAGCAGTATTGTTT
 AACATAAGTTGTACTGTTAAGTTTGGCTTCATGGGTGTAACACCAATGGTCTGTGAGTGTCTAAGACTC
 TGGATACTGCAAGCTCCGTCCGGTGCATTTGTTTCAGGTAAATCTGTGCAATAAATAACAAACTGTCTC
 CAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC021659

Insert Size: 624 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: [BC021659](#), [AAH21659](#)

RefSeq Size: 1848 bp

RefSeq ORF: 624 bp

Locus ID: 18417

Cytogenetics: 3 15.14 cM

Gene Summary: This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. The protein encoded by this gene is a major component of CNS (central nervous system) myelin and plays an important role in regulating proliferation and migration of oligodendrocytes. The basal cell tight junctions in stria vascularis are primarily composed of this protein, and the gene-null mice suffer severe deafness. This protein is also an obligatory protein for tight junction formation and barrier integrity in the testis and the gene deficiency results in loss of the Sertoli cell epithelial phenotype in the testis. [provided by RefSeq, Aug 2010]