

Product datasheet for **MC205905**

Cldn9 (NM_020293) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cldn9 (NM_020293) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cldn9
Synonyms: nmf32; nmf329
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC058186
 CAAGTGGCACCTCACGGTCCCTGTTTTGAGACAAGCTGTATACCAGCTGAGAGAAGACTTCAACCAAGA
 AAGTACGTGAGCAGCCAGCAGAGAGGAACGCGTTGTTCCCTAGTTCATGGCAGATCTGGAGGGGCTGTAA
 TGGGTGAAGGCTTCCAGGAGGACACAAGCAATACAGATGAGCGGACCTAAGGACTTCTTCGTATTCAAGT
 GAGTACCAGATGTGTGAGAGGCCCGCAGCTGTGAGGTCTGGCCTGGTCTGAGATCAACAGATCCCCCTCC
 TGAGCAGTGAGACGCACCCGAACCCAACACAGTCTCCCAACCCTATTGAGTGATTGAGGCCAAGAGCT
 GAGAAGACCCGAGGAGCAGATGGCTTCCACTGGCCTTGAACCTCTCGGCATGACCCTGGCTGTGCTAGGC
 TGGCTAGGAACTTTGGTGTCTGTGCCCTGCCACTGTGGAAGGTGACCGCCTTCATCGGCAACAGCATCG
 TTGTGGCCCAAGTGGTATGGGAGGGGCTGTGGATGTCCTGTGTGGTCCAGAGCACTGGCCAGATGCAGTG
 CAAAGTATACGACTCACTGCTGGCGCTGCCCCAGGACCTGCAGGCAGCCAGAGCCCTCTGTGTCGTGGCC
 CTCTGCTGGCTTTGCTGGCCCTGCTGGTGGCTATCACGGGCGCCAGTGCACCAGTGTGTGGAGGACG
 AAGGTGCCAAGGCCCGTATCGTACTCACCGCAGGGTCCCTCCTCCTCTCGGGCATTTCGGTGTGCAT
 CCCTGTCTGTGGACAGCCCATGCCATCATCCAGGATTTTTATAACCCACTGGTTGCGGAAGCCCTCAAG
 AGAGAAGTGGGGGCTTCCCTCTACCTGGGCTGGGCTGCCGCTGCCCTGCTCATGTAGGGGGAGGGCTCC
 TCTGCTGTACGTGTCCCCGTCACACTTTGAGCGTCCCCGCGGCCAGGCTGGGCTACTCCATCCCTTC
 CCGTTCAGGTGCTTCGGGACTGGATAAGAGGGACTATGTGTGAGGCTGAGGCTTCTTCCAGAAGCTTCCA
 CCTGCGGCTTCATGCCCTGCATTGGGCTACATCCTTATATCATCAAATCCATGCGCCTGCGAAGCTCACT
 TATTGGCCAGGACTTGGCTCTTAGGGGATCTCAGCTGGTCTGGCTTGAGCTAACCCCTCTGTAGTGGTTGC
 AACCTTGAGAAAGCTCCAGTTACTGGTACCCTGCTTATCGCTGCCTCCCAGGATTTTGGCTGGTTTGC
 TCTCCTGGACTTTCTTACTCTGGAACCTGGACCTCAGCCTCCTTGCCTTCAAAGTAAGATGTGGACTGTG
 ACCTAATACTGAGGCTTTAGCTGGTCAAGTCTAGCCCAAGCACCCCTGAATCCAAGTACTCAGCCCCC
 TACCCTACCTGTGAATAAAAGCACATTGTAAGTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_020293
Insert Size: 654 bp



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OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
Components:	<p>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).</p>
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:	BC058186 , AAH58186
RefSeq Size:	1449 bp
RefSeq ORF:	654 bp
Locus ID:	56863
UniProt ID:	Q9Z0S7
Cytogenetics:	17 A3.3
Gene Summary:	<p>This intronless 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. This gene is developmentally regulated; it is expressed in neonate kidney, but disappears by adulthood. It is required for the preservation of sensory cells in the hearing organ and the gene deficiency is associated with deafness. [provided by RefSeq, Aug 2010]</p>