

Product datasheet for **MC206764**

Cldn8 (BC003868) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cldn8 (BC003868) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cldn8
Synonyms:	A1648025
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC003868
 GGAGAAGCTGTTCCCTCCCTCCCAAGGCGTACAGATTTCTGCTTGAAGGAAGCCCTACCTCCCGGGTCAG
 CGTTCCAGCTGGATACAATTTGGGAGGACGATGGCAACCTACGCTCTTCAAATGGCTGCACTGGTGTCTG
 GTGGTGTGGCATGGTGGGCACGGTGGCTGTGACTATCATGCCTCAGTGGAGAGTGTCTGCCTTCATCGA
 AAGTAACATTGTGGTGTGAGAACCGCTGGGAAGGCTTGTGGATGAATTGTATGAGGCATGCCAACATC
 AGAATGCAGTGAAGGTCTACGACTCCCTGCTGGCTCTTAGTCCAGACCTCCAGGCATCCCGAGGACTGA
 TGTGTGCTGCGTCCGCTTGGCTTTCTGGCTTTCATGACAGCCATCCTCGGAATGAAGTGCACCAGATG
 CACGGGGGACGATGAGAACGTGAAGAGCCGCATTTGCTGACAGCCGGAATCATCTTCTTATCACCGGC
 TTGGTTGTGCTCATCCCTGTCAGCTGGGTTGCCAATTCCATCATCAGAGACTTCTACAACCCACTGGTGG
 ATGTGGCCCTAAAGCGTGAGCTGGGAGAAGCCCTACATAGGCTGGACCACAGCGCTGGTGTGATCGC
 TGGAGGAGCACTGTTCTGTTGTGTGTTTTGTTGTACTGAAAGGAGCAACAGTTACAGGACTCGGTACCA
 TCCCATCGCACCCTCAACGGAGTTTCCACGCCGAAAAGAGATCTCCGAGCATATACTCCAAAAGTCAGT
 ATGTGTAGTTGTGTGTATATTTAGCCGTAGCTAAGCTTTTAAATCACAAACCAGCCACTATTTT
 AGAGAAATGGAGCCCACTGTATCCATTTACCTTTCTAACTGCCTAGCACTCATTAGAGGAAATATGC
 AGCGTCTATGTTCCATAAGTGATTTAGCAGAATGAGGTATTATGTGCACTGCTTCGATTGTTCTAGAA
 AGCCTAGCCATTTGTTTTCTAAAATGGTCACTCAGCTCTTCTTTTTATCAGTCACTCTAACCTGCAC
 ATCGAAAGACTGTTGGCTTAAGCTGTGATTTCTGTGTGCATGACATTATCCAAGTAGATGCGGGTGGCA
 GTTATATCTCACACATATAGAGACAGGCTTATGTGGTTCTATTTAAAGTGAATGCCAATCCATCACGCT
 GAATAAATAGAAGCTCAGCTATTGCATTTAGGGGGCCTGGGGATAAAAGAGAAGGAGGCTGATTAATT
 GCCTAAAAACAGCTTAAGGATTAGTGCCTCTATTTGTAGTGAAGGTTAAATGAAGGCTTAAATCATT
 GTGAAGGCTTTCTGCTATCCTGCTTTGCAGCCTCGAGGAGTAAGAAATCTGTCACCTTATCCTTTCC
 CTCTACACGCCTAATTTTCTGTTGCCTACTATCTTAAAGTTAAAGCAGATGTTTTGGCAAAATATT
 TTTTTCTTTAGACTACTTTTTGTAAGGCTAAGCAGTGGTCTTAGAAAAATTAATGATTTAGAAAAATG
 AAATCATTAGCTTTTCTGTTTAGAGAAGAATGTATTGTTTTGAAATGAAGTCATTTTGTGTAAGGATT
 GTTCAAATGCTATTTTGCATAGTTTTTCTTTCTTTTTTTAGGAACTTATCAGTATATATGAGGGAGA
 AAGAAGGACATTTTATTGTCATTTTATTAACCCAAAGAGAGACACAAACCCTCCAAATCCAAAAGCTTG
 TCCCTTCTAACTCCTGACACTCAAATTTATCATTCTCTTCTGTTGAAGGGATTTCCCATTTTCTATG
 CCTTTGCTAAGTTCTATTGAAGTGTAGTATCACTCTGTGTTTCTCCTAATTTGAGACAAGTGTATTCT
 AAGTTTCATATATGACTTTTATATTGATAAATGTATCTCATAACAATATAGCATCTTACATCTTC
 ATCTTTTTCTTTACCTTGTGCAAGTGTAAAACTTGGTATTGACTCTTTTAGTTTGAACATAGATATT
 GTGTCCACTTTTGAATGTATGATTTAAATCCACGACTTTTAAATGACCTCACATATGACTAATATT
 TGATTAATATATGAATAATATTAATGCACTTAGGTCGAATGAAATGTGTTTGTGTAATACTGTGTA
 TGTAAATCATGTTTTAAAAGATGTTGTCCATATGATTTCAACTCCTGAGAATTCATATGAACTAAGAGCA
 GTGCTGAATGACTTGGAAATATACATCATATTTATGTGAAGGATATTATTAACGTTTGGCAACTAAAAA AAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC003868

Insert Size: 678 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: [BC003868](#), [AAH03868](#)

RefSeq Size: 2325 bp

RefSeq ORF: 678 bp

Locus ID: 54420

Cytogenetics: 16 C3.3

Gene Summary: 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. The protein encoded by this gene is a paracellular cation barrier. [provided by RefSeq, Aug 2010]