

Product datasheet for MC200557

Cldn6 (BC005718) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cldn6 (BC005718) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cldn6
Synonyms: AL024037
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC005718
 CTTAGCAGTCTCTTTTGCAGGCTCGGATATCAGGGGTGGCCGAACCGGACTGGACGTCCGCAGACAAAGC
 TGACCGAGCACTGCCCCCTCAACCTCATCATGGCTCTACTGGTCTGCAAATCTTGGGGATCGTCCTGA
 CCCTGCTTGGCTGGGTCAACGCCCTGGTGTCTGTGCCCTGCCATGTGGAAGGTGACCGCCTTCATCGG
 CAACAGCATCGTCGTGGCCAGATGGTGTGGGAGGGGCTGTGGATGTCCTGTGTGGTTCAGAGCACTGGC
 CAGATGCAGTGCAAGGTGTATGACTCACTGTTGGCGCTGCCCCAGGACCTGCAGGCTGCCAGAGCCCTCT
 GTGTTGTACCCTCCTCATTGTCTGCTGGCCTGCTCGTGTACCTGGCTGGAGCCAAGTGCACCTACCTG
 TGTGGAAGATAGAACTCCAAGTCTCGTCTGGTCTCATCTCTGGCATCATCTTTGTCAATTTCTGGGGTC
 CTGACGCTCATTCTGTCTGCTGGACTGCCCACTATCATCCAGGACTCTACAACCCCTTGGTGGCTG
 ATGCTCAAAGCGGGAGCTGGGGCCTCCCTCTACCTGGGCTGGGAGCCTCAGGCCTTTTGTCTGTGGG
 TGGAGGGTACTATGCTGCGCCTGCTCTTCTGGAGGGACCCAGGGACCCAGACATTACATGGCCTGCTAT
 TCTACATCTGTCCACATTCTCGGGACCTCCGAATATCCCACCAAGAAATTATGTGTGATGCTCACTGG
 GGAGTGAGGCTCTGCTAGCCAGGAACTGAGCTGAGCCATCAAGAAAGTTACGGAGTAGTTTGGGGGT
 TGTCTTATTTCTGTTTTCTTTTGTACTACTGGGTATTGAACCTGGGGCCCCACGCATTTGGTAGGCAA
 GCACTCACCAGTGAGTCATGTGGTGGCCTGTCTGTCCCTAGGGTTTGTCCACCTGTTTTGAGACAAGC
 TCTTCTCATGGAGCTCTGATCGACCTCCAGCTCCAGTTTTCTGCCTCAACCTGAGTCCAAGCTCCACCT
 CTCTCTGCTGCTGGCATTCTCACTTTAGCTACTGAGGCTGGGAGGATGGGACACTTGAGTTTCTGC
 GTCATTATTCACTCTGGGGATCTTCTGTGCAGTGTCTAAGGCTGCCTGGCCTTTGTTTTCTCAAATA
 TCCTGTCCCAGTCCCAAGAGTTCTGTGTGGCCGGAGTAACTCACAGGACAGACGCCACCCCTTCTGTG
 TCAGACTTCTCTCCAGCCTGGAAGGGCAGGTGATAAGTTACCAAGGAATTTTCTACCCTGAGACTTCCA
 ACCTTTGGCCCTGAATCCCATCGCAAGTACTGTGTACTCTCCCTACAAAAGTCCCAGCTGTGCTG
 TAGACCCTCCTCCCCACACCTTGCACACTTCCCTGCTCACACAATGCTTTACTAAATAAAACATGATTT
 TTTTTTTTTAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: BC005718



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Insert Size:	660 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>BC005718</u> , <u>AAH05718</u>
RefSeq Size:	1499 bp
RefSeq ORF:	660 bp
Locus ID:	54419
Cytogenetics:	17 A3.3
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 essential for blastocyst formation in preimplantation mouse embryos, and is involved in and is crucial for the formation and maintenance of the epidermal permeability barrier. This gene is adjacent to another family member Cldn9 on chromosome 17. [provided by RefSeq, Aug 2010]