

## Product datasheet for MC201867

### Cldn6 (NM\_018777) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cldn6 (NM\_018777) 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:** >BC050138 sequence for NM\_018777  
 GGAAATCTTAGCAGTCTCTTTTGCAGGCTCGGATATCAGGGGTGGCCGAACCGGACTGGACGTCCGCAGA  
 CAAAGCTGACCGAGCACTCGCCCCCTCAACCTCATCATGGCCTCTACTGGTCTGCAAATCTTGGGGATCG  
 TCCTGACCCTGCTTGGCTGGGTCAACGCCCTGGTGTCTGTGCCCTGCCATGTGGAAGGTGACCGCCTT  
 CATCGGCAACAGCATCGTCGTGGCCAGATGGTGTGGGAGGGGCTGTGGATGTCTGTGTGGTTCAGAGC  
 ACTGGCCAGATGCAGTGAAGGTGTATGACTCACTGTTGGCGCTGCCCCAGGACCTGCAGGCTGCCAGAG  
 CCCTCTGTGTTGTACCCTCCTCATTGTCTGCTTGGCCTGCTCGTGTACCTGGCTGGAGCCAAGTGCAC  
 TACCTGTGTGGAAGATAGGAACCTCAAGTCTCGTCTGGTGTCTCTGGCATCATCTTTGTCAATTTCT  
 GGGGTCTGACGCTCATTCTGTCTGCTGGACTGCCACTCTATCATCCAGGACTTCTACAACCCCTTGG  
 TGGCTGATGCTCAAAGCGGGAGCTGGGGCCCTCCTCTACCTGGGCTGGGCAGCCTCAGGCCTTTTGTCT  
 GCTGGGTGGAGGGCTACTATGCTGCGCCTGCTCTTCTGGAGGGACCCAGGGACCCAGACATTACATGGCC  
 TGCTATTCTACATCTGTCCCACATTCTCGGGGACCCCGAATATCCCAAGAAATTATGTGTGATGCT  
 CACTGGGGAGTGAGGCTCTGCTAGCCAGGAACTGAGCTGAGCCATCAAGAAAGTTACGGAGTAGTTT  
 GGGGGTTGCTTATTTCTGTTTTTCTTTTGTACTACTGGGTATTGAACCTGGGGCCCCACGCATTTGGT  
 AGGCAAGCACTCACCAGTGAGTCATGTGGTGCCCTGTCTGTCCCTAGGGTTTGTCCACCTGTTTTTGTG  
 ACAAGCTCTTCTCATGGAGCTCTGATCGACCTCCAGTCTTCTGCTCAACCTGAGTCCAAGCT  
 CCACCTCTCTCTGCTGCTGGCATTCTCACTTTTAGCTACTGAGGCTGGGAGGATGGGACACTTGAGT  
 TTCTGCGTCATTATTCATTCTGGGGATCTTCTGTGCAGTGTCTAAGGCTGCCTGGCCTTTGTTTTTCTC  
 AAAATATCCTGTCCCAGTCCCAAGAGTTCCTGCTGTGGCCGAGGTAACACAGGACAGACGCCACCCCT  
 TCCTGGTCAGACTTCTCTCCAGCCCTGGAAGGGCAGGTGATAAGTTACCAAGGAATTTTCTACCCTGAGA  
 CTTCCAACCTTTGGCCCCGAATCCCATCGCCAAGGTTACTGTGTACTCTCCCTACAAAAGTCCCAGCT  
 GTGCTGTAGACCCTCCTCCCCACACCTTGCACTTCCCTGCTCACACAATGCTTTACTAAATAAAAACA  
 TGATTTTTTTTCTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_018777



[View online »](#)

<b>Insert Size:</b>	660 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC050138</a></u> , <u><a href="#">AAH50138</a></u>
<b>RefSeq Size:</b>	1512 bp
<b>RefSeq ORF:</b>	660 bp
<b>Locus ID:</b>	54419
<b>UniProt ID:</b>	<u><a href="#">Q9Z262</a></u>
<b>Cytogenetics:</b>	17 A3.3
<b>Gene Summary:</b>	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]