

Product datasheet for **MC204654**

Cldn7 (NM_016887) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cldn7 (NM_016887) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cldn7
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC050007

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CCTGCCGCGCACCGCCAGCTCCCTGTGCCGCGCACCGCAGCCTGGGGCCCAAGGGCCCGCATACTTTCT
GGGGGCCACGCCCTAACGGCCCCCTCCACTTCTTTGGGTAGTCTCGGAGCACGCCGGTAGGAACCGCCCGG
CCTTCGGGGACCGCTTTTGTCTGGAACAGTCCTTCGGGCGAAGCCGGTTCCTCTGCTGTGAGAGTGTC
GCTTCACCGGAGGGGACGATTTGTGTTTACCTCGGTTAAACAAGATTTGTAGTTACCCGGTCCAAAAAAA
ATCTTTTTTCTCCTTTGGGTGACTTAAATCTCTATCCAAATTTTCTTGTGTTGCTGCTCCCGGATTTTTG
TTTTTTGTTTTTTGCTTACTGTAGGGTCGCCCTCCCGGCGCGTCCCCTCTTTTCTGAGACAAGGAAA
TGGCCAACTCGGGCCTGCAACTGCTGGGCTTTTCAATGGCCATGCTTGGCTGGGTGGGCTGATAGCGAG
CACTGCCATCCCTCAGTGGCAGATGAGCTCCTATGCGGGCGACAACATCATCACAGCCAGGCCATGTAC
AAGGGCTCTGGATGGAGTGCCTCACGCAGAGCACCGGCATGATGAGCTGCAAAATGTACGACTCGGTGC
TCGCCCTGCCGGGAGCCCTGCAGGCCACTCGAGCCTTAATGGTGGTGTCCCTGGTGTGGGCTTCTTAGC
CATGTTTTGTCCGACGATGGGCATGAAGTGCACACGCTGTGGGGGAGATGACAAAGCGAAGAAGGCCCGA
ATAGCTATGACTGGAGGCATTGTTTTTATTGTGGCAGGTCTTGGCTGCCTGGTAGCATGTTCTGGATTG
GTCATCAGATTGTCACAGACTTTTATAACCCCTTGACGCCATGAACGTTAAGTACGAGTTTGGACCTGC
CATCTTTATCGGCTGGGCAGGTCTGCTCTGGTCTTCTGGGAGGTGCCCTGCTCTTGTCTCTGTCCA
GGCAGTAAAAGCAAAGCTGCGTACCGAGCACCCGCTCTTACCCCAAGTCCAATTCCTCCAAGGAATACG
TGTGAGCTGGGGAGCCAGCCTGCGGGCAGGTGGGAGGCAAAGGCTCCTGGCCACTCCACCTCCAAC
ATCATGTATAGTTTCTTGGGGGAGGGCAGTTGGGGGTTACTGGGAGAGGAAGACATGGGGTGTGCTT
TTGTACAGAAATAAAATTAAGTTTTGAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: RsrII-NotI
ACCN: NM_016887
Insert Size: 636 bp



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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:	BC050007 , AAH50007
RefSeq Size:	1235 bp
RefSeq ORF:	636 bp
Locus ID:	53624
UniProt ID:	Q9Z261
Cytogenetics:	11 B3
Gene Summary:	<p>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. This gene is expressed constitutively in the mammary epithelium throughout development, and might be involved in vesicle trafficking to the basolateral membrane. It is essential for NaCl homeostasis in distal nephrons. The knockout mice lacking this gene showed severe salt wasting, chronic dehydration, and growth retardation, and died within 12 days after birth. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2010]</p> <p>Transcript Variant: This variant (1) and variant 2 encode the same protein.</p>