

## Product datasheet for **RN209427**

### **Cldn18 (NM\_001014096) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cldn18 (NM\_001014096) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cldn18  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >RN209427 representing NM\_001014096  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCACCACCACGTGCCAGGTGGTAGGGCTCCTCCTGTCCCTCCTGGGTCTGGCCGGCTGCATAGCCG  
 CCACTGGAATGGACATGTGGAGCACTCAGGACCTGTATGATAACCCAGTCACCTCCGTGTTCCAGTATGA  
 AGGGCTCTGGAGGAGTTGCGTGAACAGAGCTCGGGTTCCTGAGTGCCGGCCATACTTACCATCCTG  
 GGCTTCCAGCCATGCTGCAAGCAGTGCAGCCCTGATGATCGTGGGCATTGTTCTGGGGTTCATCGGCA  
 TCCTGGTGTCCATCTTCGCCCTGAAGTGCATTTCGATTGGCAGCATGGATGACTCTGCCAAGCCAAAGT  
 GACTCTGACTTCTGGGATTATGTTTCATCATCTCAGGAGTCTGTGCAATCATTGGTGTGTCTGTGTTTGC  
 AACATGCTGGTAACCAACTTCTGGATGTCCACGGCCAACATGTACAGCGCATGGGTGGGATGGTGCAGA  
 CCGTTCAGACCAGGTACACTTTTGGTGCAGCTCTGTTTGTGGGCTGGATCGCTGGAGGCCTCACACTAAT  
 TGGAGGTGTGATGATGTGCATTGCTTGCCTGAGGCTGACTCCTGATGACCGCAACTTCAAAGCCGTGTCC  
 TACCACGCTTCTGGCCAAAATGTTGCCTATAAGCCTGGAGGCTTAAAGGCCAGCACTGGCTTTGGGTCCA  
 ACGCCAGAAACAAGAAGATATATGATGGGGTGCCCGCACAGAAGACGATGAACAATCTCATCTACCAA  
 GTACGACTATGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2465\\_e02.zip](https://cdn.origene.com/chromatograms/ja2465_e02.zip)  
**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001014096  
**Insert Size:** 786 bp



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**OTI Disclaimer:** 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](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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:** [NM\\_001014096.1](#), [NP\\_001014118.1](#)

**RefSeq Size:** 1574 bp

**RefSeq ORF:** 786 bp

**Locus ID:** 315953

**Cytogenetics:** 8q31