

Product datasheet for **RN201738**

Cldn16 (NM_131905) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cldn16 (NM_131905) Rat Untagged Clone
Tag: Tag Free
Symbol: Cldn16
Synonyms: Pcln1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN201738 representing NM_131905
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGGAGCTTCTTCAGTACGCTGCCTGCTTCTTGGCCATTTCTCAACTGGGTTTTGATCGTGGCCA
CCTGGACGGACTGTTGGATGGTGAACGCTGATGACTCTCTGGAGGTGAGCACTAAATGCAGAGGTCTCTG
GTGGGAGTGCGTCACAAACGCTTTTGTGGAATTCGTACCTGCGATGAGTATGACTCCATATATGCAGAA
CACCCCTTGAAGCTGGTGGTACTCGGGCACTGATGATCACAGCCGACATTCTAGCTGGCTTTGGATTCA
TACCCTCCTCCTTGACTTGACTGCGTGAAGTTCCTACCGGATGAGCCACACATTAAGTCCGCCTCTG
CTTTGTTGCAGGGACCGTATTACTCATCGCAGGTACCCCGGAATCATTGGTTCTGTGTGGTATGCTGTG
GATGTTTACGTCGAGCGCTCCTCTCTGTTTTACACAATATTTCTCGGGATCCAATAAAATTCGGTT
GGTCTGCTGGCTCGGAATGGCTGGTCTTTGGTTGTTTTTGGCTGGAGCTCTCTCACCTGCTGTTT
GTACCTCTTCAAAGATGTTGGACCTGAGAGGAACCTACCCTATGCCATGAGGAAGCCCTATTCAACTGCA
GGTGTTCATGGCCAAATCCTACAAGGCCCTAGGACAGAGACGCCAAATGTACGCTGTAGACACGA
GAGTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_131905
Insert Size: 708 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:	<u>NM_131905.2</u> , <u>NP_571980.2</u>
RefSeq Size:	1514 bp
RefSeq ORF:	708 bp
Locus ID:	155268
Cytogenetics:	11q22
Gene Summary:	renal tight junction protein; involved in paracellular transport of magnesium and calcium [RGD, Feb 2006]