

Product datasheet for **MC213092**

Cldn17 (NM_181490) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cldn17 (NM_181490) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cldn17
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC213092 representing NM_181490
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTTTTATCCCTTACAGATCGCTGGACTAGTTCTTGGATTCTTCGGTTTGGTTGGGACGATTGGGA
CAACACTTCTGCCTCAATGGAGAGTGTCAGCTTTCATCGGCAGCAACATTATTATCTTTGAGAGGATCTG
GGAAGGGCTTTGGATGAAGTGCATCCAGCAAGCTATGGTCACCTGCAGTGCAAATCTATAACTCCATA
TTGGCTCTCCCTCCGGTACTGGAAGCAGCGCGTGCCCTCATGTGTGGCTGTGGCTCTTGCCTTGGTTG
CTCTCATTATTGGCATCTGCGGCATGAAACAGCTCCAGTGCACCGGCTCCAGCGAGAGGGTCAAAGCCTA
CTTGCTTGAACCTCAGGGGTGCTCTTTATTCTGACTGGTATCTTCGTTCTGATTCCAGTGTCTGGACT
GCTAATATCATCATCAGAGATTTCTACGACCAACCGTTCATGCAGGGCAGAAGCGAGAAGTGGAGGAG
CACTCTTCCTTGGCTGGCAACCGCTGCTGTCTCTTATTGGAGGCGGGCTGCTCTGCGGATATTGCTG
CTGCAACAGAAAGGAACGGTGCCACAGATACCCAGTCCCTGCATACCGCGTGCCACAGAAGGATAACCAA
AGGAATGTTACTGTGCCTAGAAAATCTCCACCAGCTACGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3434_e04.zip
Restriction Sites: Sgfl-MluI
ACCN: NM_181490
Insert Size: 675 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:	NM_181490.3 , NP_852467.1
RefSeq Size:	1172 bp
RefSeq ORF:	675 bp
Locus ID:	239931
UniProt ID:	Q8BXA6
Cytogenetics:	16 C3.3
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. This gene is intronless and is clustered with the Cldn8 gene on chromosome 16. [provided by RefSeq, Aug 2010]