

## Product datasheet for **MC215202**

### Cldn20 (NM\_001101560) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cldn20 (NM_001101560) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cldn20
Synonyms:	EG621628
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC215202 representing NM_001101560 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCCTCGGCAGGTCTCCAGCTCCTTGCTTTCATCCTGGCCGTGTCTGGGGTGTCTGGAGTACTCGCTG  
CCACTCTGCTGCCAACTGGAAGGTTAATGCATACGCAGGACCCAACATTGTAAGTCTGTTGTCCAGGT  
GCAGGGGTTGTGGGTGGACTGCACGTGGTACAGCACTGGGATGTTTAGCTGCACTCTAAATACTCCATT  
CTGTCGCTCCCCGTCCATGTGCAGACTGCGAGGGCCACCATGGTCTGGCCTGTGTTCTGTCTGCTTGGG  
GGATTTGTAAGTTCGATAGCAGGAATGAAGTGCACCTAGGAGGAGACACACACCAAGAGTAAAT  
TTCTTTGCTGGAGGAGTCTGTTTCATCACTGCAGGGATCTCTGGTTTAAATCCCAACAGTGTGGTACACC  
AAGGAGATCATAGCGAACTTTCTGGATCTGACCATTCGGAAAGCCACAAATATGAACCTGGAGGAGCCC  
TGTACATTGGGTTTATTTTCGGCGATGCTACTACTTATCTCTGGTGTATTTTCTGCACTTCTTATATACA  
GAAGAACCAAGAACCATGGATCTACCTCCCAAGCAGAACTTTCCACTACCTGGCAGCCAAAGAACAGG  
CGAGCACATAACTGAAGGATTACATG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001101560
Insert Size:	660 bp



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<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_001101560.1</u> , <u>NP_001095030.1</u>
<b>RefSeq Size:</b>	660 bp
<b>RefSeq ORF:</b>	660 bp
<b>Locus ID:</b>	621628
<b>Cytogenetics:</b>	17 A1
<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 identified in retinal pigment epithelium (RPE) and analysis of the RPE transcriptome reveals that this gene expression appears late during development of chick embryo. [provided by RefSeq, Aug 2010]