

## Product datasheet for MC210022

### Cldn14 (NM\_019500) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cldn14 (NM_019500) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cldn14
Synonyms:	AI851731
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210022 representing NM_019500 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCAGCACAGCGGTCCAGCTCCTAGGCTTCCTGCTTAGCTTCCTGGGCATGGTAGGAACGCTCATCA  
CCACCATCCTGCCACACTGGCGGAGGACGGCCCATGTGGGCACCAACATCCTGACTGCCGTATCCTACCT  
GAAGGGACTGTGGATGGAATGTGTGTGGCACAGCACAGGCATCTACCAGTGTGAGATCTACCGCTCACTG  
CTGGCGCTGCCCCGGGACTTGCAGGCCGCCGGCGCTCATGGTCATCTCCTGCCTGTTGTCGGGCATGG  
CCTGCGCCTGCGCAGTAGTGGGCATGAAGTGCACACGCTGCGCCAAAGGCACACCCGCCAAGACCACCTT  
TGCACTGCTGGGGGGCGCGCTCTTCCTGCTGGCCGGCCTGCTGTGCATGGTGGCCGTGCTCTGGACCAGG  
AATGACGTGGTGCAGAATTTTTATAACCCGCTGCTGCCAGTGGCATGAAGTTTGAATCGGCCAGGCCCC  
TGTACCTGGGCTTCATCTCCTCATCCCTGTCTCTCATCGGGGGCACCCCTGCTCTGCTTATCCTGCCAGGA  
CGAGGCCCCCTACAGACCCTACCGCCCCAGTCCAGGGCCGGAGCTACCACCACGGCTACCGCCCCCTGCC  
TACCGCCACACAGCGCCTACAAGGACAACCGTGCCCCCTCGGTGACCTCAGCCGCGCACAGTGGGTACA  
GGCTGAATGACTACGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_019500
Insert Size:	720 bp


[View online »](#)

<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_019500.4, NP_062373.3</u>
<b>RefSeq Size:</b>	1475 bp
<b>RefSeq ORF:</b>	720 bp
<b>Locus ID:</b>	56173
<b>UniProt ID:</b>	<u>Q9Z0S3</u>
<b>Cytogenetics:</b>	16 C4
<b>Gene Summary:</b>	<p>This gene encodes a member of the claudin family of tight junction proteins. The encoded protein is an integral membrane protein that may function in maintaining apical membrane polarization in tight junctions located between outer hair cells and supporting cells. Loss of function of this gene is associated with hearing problems. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>