

## Product datasheet for MC203973

### Cldn23 (NM\_027998) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cldn23 (NM_027998) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cldn23
Synonyms:	2310014B08Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC019534

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GGCGCTGGGCGAGAGGGCGGAGCGGTTGGGACGCGAGAGAGGAGGGGACTTGGTGTGAGAGGCTCAGTGG
GGACAGTTCGCGCGAGAGACAAAGAGCGCCAGAGAGCGCAGCGAGCATCGCTGCTACCCAGCCGGCA
ACCTCGCAGATTCGAGGACAGGGTGC GCGCGGAGCAGCCACAGCTGCTAGGGACCCAAGAGGCTACGCA
GGATGCGGACGCCGTTGGTGTGATGACGCTGGGCATGGTGTCTCACGCCCTGCGGGTTGCTGCTTAATCTTGT
CAGTACACTGGCCCCGGGCTGGCGGCTGGTGAAGGGCTTTCTGGACCAGCCAGTGGACGTGGTGTGCTGAC
CAGGGGCTGTGGGACATATGTCGCGAGCAGAGCAGTGC GGAACGCGAGTGC GGGCCAGCCGACGAGTGGAA
ACTACTCCAGACCCAGCCTGTGCAGGTGGCCCCGGGACTCATGATCACGTCACTGGCCACTACCGCCCT
AGGGCTGTGCTGGCTCCCTCGGCGTGC GCTGTTGGCAAGATGAGCCCCACTACGGGCTAGCGGGCCTC
TCTGGCGTGGTGTTCGTCGCTGGCCTTTCAGCCTCATCCCGGTCTCCTGGTATAACC ACTTCTTGT
CAGATCCCGACGTCCTGGCCGCCCGAGCTCGCCGGTACGGTGCAGGTGACGTACAGTCTGGTGTGTTGG
CTACCTAGGGAGCTGCCTGCTGCTTCTGGCGGCTTCTCTGCGGCTCAGCTTTGCGCCCTGGTGTGAA
GAGCGTTGTGCGCGCTGTGCAAGGCGCCCCAGCAGGCCGCGCCGACGAGCATCAGCACCGTCTACG
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CACCGCAGAGCACAGGGACACCAGCAAGCTCAAGGTGGGATTCGCGATGCCACGACCGCCACCCAAGTCC
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CTGCTTCACTCTAGAGAACATAAAATGGCCAAAATGTTAAGTCTGGCTATATTTGAAGTTGTGCCAT
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CATACATAGTATTTATCTTTTGAATCACTTGTCTGTGTTGAGCTTGTGAGCTTGTCTTCCAAAAGC
CAAGGCGATGCTACACTGTCCTGTTCCCGAGATACCTCGCCCTGAACAGAGATATATTTGTACAAAATG
AACTGTTAAGTTGCCCTTTGGCTAACGTCCATATGTATATATCTTATTTATAAATAAAAATGTAAATGTC
AAAAAAAAAAAAAAAA

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<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_027998
<b>Insert Size:</b>	891 bp
<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>RefSeq:</b>	<a href="#">BC019534</a> , <a href="#">AAH19534</a>
<b>RefSeq Size:</b>	1835 bp
<b>RefSeq ORF:</b>	891 bp
<b>Locus ID:</b>	71908
<b>UniProt ID:</b>	<a href="#">Q9D7D7</a>
<b>Cytogenetics:</b>	8 A4
<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. This gene is intronless and the protein encoded by this gene is 77% identical to the human homolog. [provided by RefSeq, Aug 2010]