

## Product datasheet for **RN206323**

### Clcn2 (NM\_017137) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Clcn2 (NM_017137) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Clcn2
Synonyms:	CIC-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN206323 representing NM\_017137  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGCCGCAACGGCCGCGGCGGCGACGGTGGCGGGGAAGGGATGGAGCCTCGAGCGCTGCAGTACG  
 AGCAGACCCTGATGTATGGCCGGTATACTCAGGAACTCGGGGCCTTTGCCAAAGAGGAAGCTGCTCGGAT  
 TCGCCTGGGAGGGCCTGAGCCCTGGAAGGGTCCCTTCTGCCGGGCTACCCCAGAGCTCTAGAATAT  
 GGACAGAGCCGATGTGCCAGATGTCGATTTGTTCTGTACGCTGCCACAAGTTTCCTAGTGTCCAGGGTCTG  
 GTGAAGATTGGATCTTCTGGTCTGTTGGGGCTCCTCATGGCATTGGTCAGTTGGGCCATGGACTATGC  
 CATCGCTGTCTACAGGCTCAGCAATGGATGTCCCGGGCTTAAACACCAACATCTTACTCCAGTAC  
 CTGGCTTGGGTTACCTACCCTGTCGTCCTCATCACTTTCTCTGCCGATTACCCAGATCTGGCCCCGC  
 AGGCTGTTGGGTCTGGCATCCCCGAGATGAAAACCATCCTTCGGGGAGTGGTGTGAAAGAGTACCTCAC  
 CCTCAAGACCTTTGTAGCTAAGGTCATCGGGCTGACCTGTGCCCTGGGCAGTGGGATGCCCTTGGCAAG  
 GAGGGACCCTTTGTGCACATTGCCAGCATGTGTGCTGCCCTTCTCAGCAAGTTCCCTCCCTCTTTGGGG  
 GTATCTATGAGAACGAGTCCCGGAACACAGAGATGCTAGCTGCCGATGCGCAGTAGGAGTGGGCTGCTG  
 CTTTGCCGCACCAATCGGAGGGTCTATTTCAGCATTGAGGTCACCTCCACCTTCTTCGCTGTTAGGAAC  
 TACTGGCGGGGCTTTTTCGCGCCACCTTCAGTGCCTTCATCTTTCGGGTCTTGGCAGTGTGGAACCGTG  
 ATGAAGAAACCATCACAGCTCTTTCAAACCTCGGTTCCGACTCGACTTCCCCTTTGACCTGCAGGAGCT  
 GCCAGCTTTTGTGTCTATTGGTATTGCTAGTGGCTTCGGGGAGCCCTCTTGTCTACCTGAACCGGAAG  
 ATGTCCAGGTGATGCGGAAGCAAAAACCATCAACCGCTTCTCATGAAGAAACGGCTGCTCTTCCCCG  
 CACTGGTACTCTGCTCATCTCCACTTGACCTTCCCCCTGGCTTTGGACAGTTCATGGCCGGACAGCT  
 CTCACAGAAAGAGACCCTGGTCAACTGTTTACAACCGGACATGGGTCCGCCAGGGCCTGGTAGAGGAT  
 CTAGGAGCACCTAGCACTTCACAGGCTGGAGCCACCGCGCCAAACGTCTTCTGACTCTCGTATCT  
 TCATCCTCATGAAGTTCTGGATGTCTGCACTGGCCACCACCATCCAGTGCCTGTGGTGCCTTCATGCC  
 TGTCTTTGTCTATTGGAGCAGCATTGGCCGGTGGTGGGCGAGAGCATGGCTGCCTGGTTCACAGATGGG  
 ATTCACACGGATAGCAGTACCTACCGATTGTACCTGGAGGCTATGCCGTGGTCCGGGCAGCTGCACTTG  
 CAGGAGCAGTGACACACACAGTGTCCACAGCAGTATTGTCTTCGAGCTACCCGGCCAGATTGCCACAT  
 TCTGCCGTGTCATGATTGCTGTCATCCTGGCGAATGCCGTGCCAGAGCCTGCAGCCCTCCCTCTATGAC  
 AGTATCATCCGCATCAAGAAGCTGCCCTACCTGCCTGAGCTGGGTGGGCGGCCACCAGCAGTACCGGG  
 TACGAGTAGAGGACATCATGGTACGGGATGTACCCCATGTAGCCCTCAGCTGCACCTTTTCGGGACCTGCG  
 ACTGGCACTGCACCGAACCAAGGGCCGTATGTTGGCCCTAGTGGAGTCACTGAGTCCATGATTCTGCTG  
 GGCTCCATCGAACGCTCACAGGTGGTAGCGCTACTGGGAGCACAGCTGAGTCCAGCGCGCCGGCGGCGAGC  
 ACATGCAAAAGCTAAGGAAAGCCAGATGTCCCCACCGTCAGATCAGGAGAGCCCCCAGCTCTGAGAC  
 GTCCATCCGCTTCCAGGTGAACACAGAGGACTCAGGCTTCCCTGGAGCCCATGGGAGACTCACAAAGCCC  
 CTGAAGCCTGCTCTAAAGAGAGGGGCCAGCAACGCCACAAGCTCCAGGAAGGTACCACGGGCAACATGG  
 AATCAGCAGGCATTGCCCTCAGAAGCCTTCTGTGGCAGTCCACCTCTGGAGTCGACGACGTGAGAATT  
 GGAAAAGTCGGAATCCTGTGACAAACGCAAGCTGAAGCGGGTCCGAATCTCCCTGGCGAGTGACTCAGAC  
 CTGGAAGCAAGATGAGTCCCGAGGAGATCTTAGAGTGGGAAGAGCAGCAGCTAGATGAGCCAGTCAACT  
 TCAGTGACTGCAAAATCGACCCCGCCCTTCCAGCTAGTGGAGCGGACTTCTTTCACAAAGACCCACAC  
 CATCTTCTCGCTGCTGGGAGTGGACCATGCTTATGTCACCAGCATTGGCAGACTCATTGGGATTGTCACC  
 CTAAGGAGCTCCGGAAGGCCATTGAAGGCTCTGTACAGCACAGGGTGTAAAAGTACAGCCACCCCTTG  
 CCAGTTTCCGGGACAGTCCACCAGCAGCAGTACACAGAGACCACCGAGGTGCATGCACCTCTGGGGCC  
 GAGATCCCGCCACGGCCTCCACAGAGGGTACCCCTCTGATAGTGATGACAAGTGCCAG**TGA**

**ACGGT**ACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_017137

<b>Insert Size:</b>	2724 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="#">NM_017137.1</a> , <a href="#">NP_058833.1</a>
<b>RefSeq Size:</b>	3217 bp
<b>RefSeq ORF:</b>	2724 bp
<b>Locus ID:</b>	29232
<b>UniProt ID:</b>	<a href="#">P35525</a>
<b>Cytogenetics:</b>	11q23
<b>Gene Summary:</b>	has voltage-gated chloride channel activity; activity is also regulated by volume and pH; may play a role in chloride transport in many tissues [RGD, Feb 2006]