

## Product datasheet for **RN206917**

### **Clcn7 (NM\_031568) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Clcn7 (NM_031568) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Clcn7
Synonyms:	CIC-7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN206917 representing NM\_031568  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCAACGTTTCTAAGAAAGTGTCTTGGTCCGGCCGAGATCGCGATGACGAGGAGGGGGCCGCGCTGC  
 TTCGAAGGACGGGGCAACCTGACGAGGAGACGCCGCTGCTGAACGGAGCCGGGCCGGCGCGCCAGTC  
 TCATTCTGCACCTTTCCGAATTGGACAGATGAACAACGTGGAGCTGGATGATGAACCTCTGGACCCGGAA  
 GTGGACCTCCTCACACCTTCCCAAGGAGATTCCACACAACGAGAAGCTCCTCTCCCTCAAGTATGAGA  
 GCCTGGACTATGACAATAGTGAGAATCAGCTCTTCTGGAGGAGGAAAGACGAATCAACCACACGGCTTT  
 CCGGACAGTGGAGATCAAGCGCTGGGTTATCTGTGCCCTCATTGGAAATCCTCACAGGCCTAGTAGCCTGC  
 TTCATTGACATTGTAGTGGAGAACCTGGCAGGCCTCAAGTACCGAGTCATCAAGGACAACATCGACAAGT  
 TCACAGAGAAGGGCGGCCTGTCTTCTCCCTCCTGCTGTGGGCCACACTGAACTCTGCCTTCGTGCTCGT  
 GGGGTCTGTGATTGTGGCCTTCATAGAGCCAGTTGCTGCTGGCAGCGGAATCCCTCAGATCAAGTGCTTC  
 CTAATGGGGTGAAGATCCCCACGTGGTGGCCTCAAGACGCTGGTATCAAGGTGTCTGGCGTATTCT  
 TGCTGTGGTAGGGGACTGGCTGTGGAAAGGAAGGGCCAATGATCCACTCAGGATCCGTGATTGCTGC  
 AGGGATTTACAGGGAAGGTCGACGCTCAAGCGAGATTTAAGATCTTTGAATTTCCGCAGAGAT  
 ACAGAGAAGCGGGATTTGTCTCAGCTGGAGCTGACGCTGGAGTGTCTGCTGCGTTTGGAGCACCTGTGG  
 GTGGGGTCTGTTCAGCCTGGAAGAGGGCGCCTCCTTCTGGAATCAGTTCCTGACATGGAGAATTTTCTT  
 TGCTTCCATGATTTGACCTTTACACTGAATTTGTTCTGAGCATCTACCATGGAACATGTGGGACCTG  
 TCCAGCCTGGCCTATAAATTTGGAAGATTCGACTCAGAGAAAATGGCCTACACAATCCATGAGATTC  
 CTGTCTTCATCGCCATGGGTGGTGGTGGCATTCTTGGAGCCGTGTTCAATGCCTTGAATTAAGTGGCT  
 AACTATGTTTTCGAATCAGGTACATCCACCGCCCTGCCTCCAAGTGATTGAGGCCATGCTGGTGGCAGCT  
 GTCACAGCCACAGTTGCATTTGTCTTGATTACTCGTCTCGAGATTGCCAGCCCTGCAGGGGAGCTCCA  
 TGTCTACCCACTCCAGCTCTTCTGTGCAGATGGCGAATAACAACCAATGGCCGACGCTTCTTTAACAC  
 CCCTGAGAAGAGCGTCGTGAGCCTGTTCCACGACCCACCAGGCTCCTATAATCCCATGACTCTCGGCCTG  
 TTCACCCTGGTCTACTTCTTCTGGCCTGCTGGACCTATGGCCTCACAGTATCTGCTGGTGTCTTCATCC  
 CATCCCTGCTCATTGGGGTGCCTGGGGCCGACTTTTGGCATCTCCATGCTCCTACCTCACAGGAGCAGC  
 GATCTGGGCAGATCCGGGTAATACGCCCTGATGGGAGCTGCTGCTCAGCTTGGTGGGATCGTGAGGATG  
 ACCCTTAGCCTGACAGTCATCATGATGGAGGCCACCAGCAACGTGACCTACGGTTTTCCCATCATGTTGG  
 TGCTGATGACTGCCAAGATTGTGGGTGATGCTTTCATTGAGGGCCTCTATGACATGCACATCCAGCTGCA  
 AAGTGTGCCCTTCTACACTGGGAAGCCCGGTCACTCACATTCGCTCACTGCCAGGGAAGTAATGAGC  
 ACGCCTGTGACCTGCCTGAGGAGGAGAGAGAAGGTTGGCATCATCGTGGATGTCCCTAAGTGACACAGCGT  
 CTAATCACAATGGGTTCCCTGTGGTGGAGGATGTAGGAGACCCAGCCAGCCAGACTCCAAGGCCAAT  
 CCTGCGTTCCAGCTCATCGTCTCCTGAAGCACAAGGTGTTTGTGGAGAGGTCCAACATGGGTTTGGTG  
 CAGCGGAGACTGAGGCTGAAAGACTTTCGCGATGCCTACCCACGCTTCCCCCAATCCAGTCCATCCACG  
 TATCCAGGATGAGCGGGAGTGACCATGGACCTTCTGAGTTCATGAACCTTCTCCCTACACTGTGCC  
 ACAGGAGGCATCTTCTCGAGTGTTCAGCTGTTCCGGGCTCTGGCCTGAGGCACCTGGTTCGTAGTA  
 GACAACCACAATCAGGTGGTGGGCTGGTGACCCAGGAAGGACCTAGCAAGATACCGCCTAGGAAAAGGAG  
 GCCTAGAAGAGCTTCTACTGGCCAGAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_031568  
**Insert Size:** 2412 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_031568.2</a> , <a href="#">NP_113756.1</a>
<b>RefSeq Size:</b>	2749 bp
<b>RefSeq ORF:</b>	2412 bp
<b>Locus ID:</b>	29233
<b>UniProt ID:</b>	<a href="#">P51799</a>
<b>Cytogenetics:</b>	10q12
<b>Gene Summary:</b>	putative voltage-gated chloride channel; mutation in human and mouse homologs is associated with osteopetrosis and retinal degeneration [RGD, Feb 2006]