

## Product datasheet for **RR206917**

### **Clcn7 (NM\_031568) Rat Tagged ORF Clone**

#### **Product data:**

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



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ORF Nucleotide  
Sequence:

>RR206917 representing NM\_031568  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCAACGTTTCTAAGAAAGTGTCTTGGTCCGGCCGAGATCGCGATGACGAGGAGGGGGCCCGCTGC  
 TTCGAAGGACGGGGCAACCTGACGAGGAGACGCCGCTGCTGAACGGAGCCGGGCCGGCGCGCCAGTC  
 TCATTCTGCACCTTTCCGAATTGGACAGATGAACAACGTGGAGCTGGATGATGAACCTCTGGACCCGGAA  
 GTGGACCCTCTCACACCTTCCCAAGGAGATTCCACACAACGAGAAGCTCCTCTCCCTCAAGTATGAGA  
 GCCTGGACTATGACAATAGTGAGAATCAGCTCTTCTGGAGGAGGAAAGACGAATCAACCACACGGCTTT  
 CCGGACAGTGGAGATCAAGCGTGGTTATCTGTGCCCTCATTGGAATCCTCACAGGCCTAGTAGCCTGC  
 TTCATTGACATTGATGGAGAACCTGGCAGGCCTCAAGTACCGAGTCATCAAGGACAACATCGACAAGT  
 TCACAGAGAAGGGCGGCCTGTCTTCTCCCTCCTGCTGTGGCCACACTGAACTCTGCCTTCGTGCTCGT  
 GGGGTCTGTGATTGTGGCCTTCATAGAGCCAGTTGCTGCTGGCAGCGGAATCCCTCAGATCAAGTGCTTC  
 CTAATGGGGTGAAGATCCCCACGTGGTGGCTCAAGACGCTGGTATCAAGGTGTCTGGCGTATTC  
 TGCTGTGGTAGGGGACTGGCTGTGGAAAGGAAGGGCCAATGATCCACTCAGGATCCGTGATTGCTGC  
 AGGGATTTACAGGGAAGGTCGACGCTCAAGCGAGATTTAAGATCTTTGAATTTCCGCAGAGAT  
 ACAGAGAAGCGGGATTTGTCTCAGCTGGAGCTGACGCTGGAGTGTCTGCTGCGTTTGGAGCACCTGTGG  
 GTGGGGTCTGTTCAGCCTGGAAGAGGGCGCCTCCTTCTGGAATCAGTTCCTGACATGGAGAATTTCTT  
 TGCTTCCATGATTTGACCTTTACACTGAATTTGTTCTGAGCATCTACCATGGAACATGTGGGACCTG  
 TCCAGCCTGGCCTATAAATTTGGAAGATTCGACTCAGAGAAAATGGCCTACACAATCCATGAGATTC  
 CTGTCTTCATCGCATGGGTGGTGGTGGCATTCTTGGAGCCGTGTTCAATGCCTTGAATTAAGTGGCT  
 AACTATGTTTTCGAATCAGGTACATCCACCGCCCTGCCTCCAAGTGATTGAGGCCATGCTGGTGGCAGCT  
 GTCACAGCCACAGTTGCATTTGTCTTGATTACTCGTCTCGAGATTGCCAGCCCTGCAGGGGAGCTCCA  
 TGTCTACCCACTCCAGCTCTTCTGTGCAGATGGCGAATAACAACCAATGGCCGACGCTTCTTTAACAC  
 CCCTGAGAAGAGCGTCGTGAGCCTGTTCCACGACCCACCAGGCTCCTATAATCCCATGACTCTCGGCCTG  
 TTCACCCTGGTCTACTTCTTCTGGCCTGCTGGACCTATGGCCTCACAGTATCTGCTGGTGTCTTCATCC  
 CATCCCTGCTCATTGGGGTGCCTGGGGCCGACTTTTGGCATCTCCATGTCTACCTCACAGGAGCAGC  
 GATCTGGGAGATCCGGTAAATACGCCCTGATGGGAGCTGCTGCTCAGCTTGGTGGGATCGTGAGGATG  
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 TGCTGATGACTGCCAAGATTGTGGGTGATGCTTTCATTGAGGGCCTCTATGACATGCACATCCAGCTGCA  
 AAGTGTGCCCTTCTACACTGGGAAGCCCGGTCACTCACATTCGCTCACTGCCAGGGAAGTAATGAGC  
 ACGCCTGTGACCTGCCTGAGGAGGAGAGAGAAGGTTGGCATCATCGTGGATGTCCCTAAGTGACACAGCGT  
 CTAATCACAATGGGTTCCCTGTGGTGGAGGATGTAGGAGACCCAGCCAGCCAGACTCCAAGGCCAAT  
 CCTGCGTTCCCAGCTCATCGTCTCCTGAAGCACAAGGTGTTTGTGGAGAGGTCCAACATGGGTTTGGTG  
 CAGCGGAGACTGAGGCTGAAAGACTTTCGCGATGCCTACCCACGCTTCCCCCAATCCAGTCCATCCACG  
 TATCCCAGGATGAGCGGGAGTGCACCATGGACCTTCTGAGTTCATGAACCTTCTCCCTACACTGTGCC  
 ACAGGAGGCATCTTCTCGAGTGTTCAGCTGTTCCGGGCTCTGGGCCTGAGGCACCTGGTTCGTAGTA  
 GACAACCACAATCAGGTGGTGGGCTGGTGACAGGAAGGACCTAGCAAGATACCGCCTAGGAAAAGGAG  
 GCCTAGAAGAGCTTCTACTGGCCAGACGGCCTAGAAGAGCTTCTACTGGCCAGACG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR206917 representing NM\_031568  
Red=Cloning site Green=Tags(s)

MANVSKKVSWSGRDRDDEEGAPLLRRTGQPDEETPLLNAGAGPGARQSHSALFRIGQMNNVELDDELLDPE  
VDPPTHFPKEIPHNEKLLSLKYESLDYDENSENQLFLEEERRINHTAFRTVEIKRWVICALIGILTGLVAC  
FIDIVVENLAGLKYRVIKDNIDKFTEKGLSFSLLLWATLNSAFVLVGSVIVAFIEPVAAGSGIPQIKCF  
LNGVKIPHVRLKTLVIKVSIVL SVVGGGLAVGKEGPMIHSGSVIAAGISQGRSTSLKRDFKIFEYFRRD  
TEKRDFVSAGAAAGVSAAFGAPVGGVLF SLEEGASFVNQFLTWRIF FASMI STFTLN FVLSIYHGNMWDL  
SSPGLINFRFDSEKMAYTIHEIPVFIAMGVVGGILGAVFNALNYWLT MFRIRYIHRPCLQVIEAMLVAA  
VTATVAFVLIYSSRDCQPLQGSSMSYPLQLFCADGEYNSMAAAFFNTPEKSVVSLFHDPPGSYNPMTLGL  
FTLVYFFLACWTYGLTVSAGVFI PSLLIGAAWGRLFGISMSYLTGAAIWADPGKYALMGAAAQLGGIVRM  
TSLTVMMEATSNVTYGFPIMLVMTAKIVGDVFI EGLYDMHIQLQSV PFLHWEAPVTS HSLTAREVMS  
TPVTCLRRREKVGIIVDVLSDTASNHNHGFVVEDVGDTPARLQGLILRSQLIVLLKHKVFVERSNMGLV  
QRRRLRLKDFRDAYPRFPIQSIHVSQDERECTMDLSEFMNPSPTYVPQEASLPRVFKLFRALGLRHLVVV  
DNHNQVVGLVTRKDLARYRLGKGGLEELSLAQTAKSFHWPR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1575\\_e03.zip](https://cdn.origene.com/chromatograms/ja1575_e03.zip)

**Restriction Sites:** SgfI-MluI



**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq Size:** 2749 bp

**RefSeq ORF:** 2412 bp

**Locus ID:** 29233

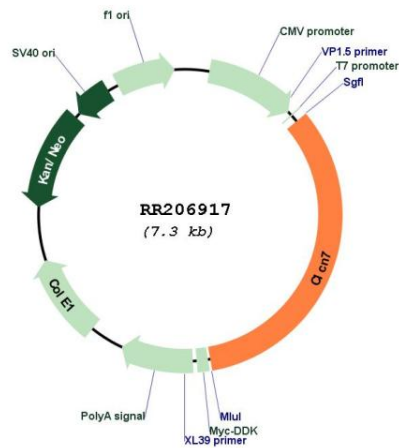
**UniProt ID:** [P51799](#)

**Cytogenetics:** 10q12

**MW:** 88.7 kDa

**Gene Summary:** putative voltage-gated chloride channel; mutation in human and mouse homologs is associated with osteopetrosis and retinal degeneration [RGD, Feb 2006]

**Product images:**



Circular map for RR206917