

Product datasheet for **RN203992**

Clcn5 (NM_017106) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Clcn5 (NM_017106) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Clcn5 |
| Synonyms: | CLC5 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN203992 representing NM_017106
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTTCTTGGAGGAGCCAATCCCCGGTGTAGGGACCTATGATGATTTCAACACAATTGATTGGGTGA
 GAGAGAAATCTCGAGACCGAGATAGGCACCGAGAGATTACCAATAAAAAGCAAAGAGTCAACATGGGCCTT
 AATTCACAGTGTGAGCGATGCTTTTTCTGGTTGGTTGTTAATGCTCCTTATTGGCCTTTTATCAGGTTCC
 TTAGCTGGCCTCATAGACATCTCTGCTCACTGGATGACAGACTTAAAAGAAGGGATATGCACAGGGGGCT
 TCTGGTTAAACCATGAGCACTGCTGCTGGAATCCGAGCATGTCACCTTTGAAGACAGAGACAAATGTCC
 GGAGTGAATAGCTGGTCCAGCTTATCATCAGCACAGATCAGGGAGCCTTTGCCTACATAGTCAATTAT
 TTCATGTATGCTCTGGGCTCCTGTTTCTCTCGCTGTCTCTTGTCAAGGCATTTGCACCTT
 ACGCCTGTGGTTCTGGAATCCCTGAGATCAAACTATCCTGAGTGGTTTCATTATTAGGGGCTATTTGGG
 TAAGTGGACCCTTGTCATCAAACTATTACTTTGGTGCTGGCCGTGTCATCTGGCTTGAGCCTGGGTA
 GAGGGCCCCCTAGTGCAGTGGCTTGTCTGTGGGAACATCCTGTGCCACTGCTTCAACAAATACAGGA
 AGAATGAAGCAAGCGCAGAGAGTCTTATCAGCTGCAGCAGCTGCTGGTGTATCTGTAGCCTTTGGGGC
 CCTATTGGTGGAGTATTGTTACGCCTGGAAGAGGTGAGCTACTACTTTCCCTCAAAACTGTGGCGT
 TCCTTCTCGCTGCTCTCGTGGCAGCATTACGCCTCCGCTCCATCAATCCATTTGGAAACAGCCGTTAG
 TTCTATTTTATGTGGAGTTCACACCCCATGGTATCTCTTTGAGCTCGTGCCATTCATTGTGCTAGGCAT
 ATTCGGTGGCCTTTGGGGCGCTCTGTTTATCCGCACAAACATTGCCTGGTGTGCGAAGCGTAAAACCACA
 CAGTTGGCAAGTATCCTGTTGTGAGGTCCTCATTGTGACAGCCACTGCCATCTTGGCTTTCCCA
 ATGAATATACCCGGATGAGCACAAGTGAAGTCAATTTCTGAACTGTCAATGACTGCGGCCCTCTGGACT
 CTCCAAGCTCTGTGATTATGAGAACCCTTCAACACTAGCAAAGCGGTGAGCTGCCTGACAGACCTGCT
 GGCGTGGGAGTCTACAGTCCATGTGGCAGCTGGCTTTGACACTCATACTGAAAATAGTCACTACTATAT
 TCACCTTTGGCATGAAGATTCTTCTGGTCTCTTATCCCGCAGCATGGCTGTGCGTGCTATAGCAGGCCG
 CCTTTTAGGAGTCGGAATGGAGCAACTGGCTTATTACCACCAGACTGGGCATCTTCAATAGCTGGTGT
 AGCCAGGGAGCGGATTGCATCACGCTGGCCTTTATGCCATGGTGGGGCTGCCGCTGCTTAGCGGGT
 TGACTCGGATGACTGTTTCTCTCGTTGTCATAATGTTTGGCTCACTGGTGGCCTGGAATATATTGTACC
 TCTGATGGCTGCAGCCATGACGAGCAAGTGGTGGCAGACGCTTGGGGAGAGGGCATTATGATGCC
 CACATCCGCTCAATGGATACCCCTTTCTCGAAGCCAAAGAAGATTTGCTCATAAGACTCTGGCAATGG
 ATGTGATGAAGCCCCGGAGGAATGATCCCTTGCTGACTGTCTTACTCAGGACAGTATGACTGTGGAAGA
 TGTAGAGACCATAATCAGTGAAGCACGTACAGCGGCTTTCCGGTGGTGGTGTCCCGAGAGTCAACAAGA
 CTTGTAGGCTTTGTTCTTTCGGAGAGATCTCATTATTTCAATTGAAAATGCTCGGAAGAAACAGGACGGGG
 TTGTGAGCACGTCCATCATTTATTTACGGAGCACTCACCCCAATGCCTCCATACACGCCCCCTACCT
 GAAGCTTCGGAACATCCTGGATCTCAGCCCTTTCACTGTGACAGACCTTACGCCAATGGAGATCGTAGTG
 GATATCTTCCGCAAGCTGGGACTGCGCCAGTGCCTGGTTACACACAATGGGCGCCTACTTGAATCATT
 CCAAAAAGGATGTGTTAAAGCACATAGCGCAGATGGCAAACCAAGACCCCGAGTCCATTCTTCAACTA
 G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_017106
Insert Size: 2241 bp

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| OTI Disclaimer: | 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). |
| Components: | 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). |
| Reconstitution Method: | <ol style="list-style-type: none">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: | NM_017106.1 , NP_058802.1 |
| RefSeq Size: | 2550 bp |
| RefSeq ORF: | 2241 bp |
| Locus ID: | 25749 |
| UniProt ID: | P51796 |
| Cytogenetics: | Xq12 |
| Gene Summary: | acts as an outwardly rectifying chloride channel; plays a role in chloride transport [RGD, Feb 2006] |