

Product datasheet for **RN204393**

Clcn4 (NM_022198) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Clcn4 (NM_022198) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Clcn4 |
| Synonyms: | Clcn4-2 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN204393 representing NM_022198
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGCCTCTGGGAACCTAATGGACTTCCTTGATGAGCCCTTCCCTGATGTGGGGACCTATGAAGACT
 TCCACACCATAGACTGGCTGAGGAAAAGTCCCGGACACTGACAGACATAGAAAGATAACCAGCAAAAAG
 TAAAGAGTCTATTTGGGAGTTTCAAGAGTCTGCTGGACGCATGGTCAGGATGGTGGTGGTACTT
 ATTGGTCTGCTAGCAGGTACCCTGGCTGGAGTTATCGATCTCGCTGTTGACTGGATGACAGACCTCAAGG
 AGGGCGTCTGTCTGTCTGCATTCTGGTACAGCCATGAGCAATGCTGCTGGACCTCAATGAGACCACTTT
 TGAGGACAGGGACAAGTGTCCCTGTGGCAGAAGTGGTCAGAGCTTCTTCTGAGCCAGTCAGAGGGTGT
 AGCGCTTACATTCTGAATTACTTAATGTACATTCTATGGGCATTGCTGTTTGCATTTCTGGCTGTCTCCC
 TGGTACGTGTGTTGCACCATATGCCTGTGGCTCTGGCATACTGAGATAAAGACTATTTTGGTGGCTT
 TATCATCAGGGGCTACTTGGGAAATGGACTCTTCTAATCAAGACTGTCCTCTCGTGTGGTGTATCC
 TCTGGCCTGAGTCTTGGGAAAGAGGGGCCACTGGTGCATGTGGCATGTTGCTGTGGCAACTCTTTAGCA
 GCCTTTTCTCAAGTATAGCAAGAATGAAGGCAAGAGGCGTGAGGTGCTTTCCGCTGCAGCTGCTGCTGG
 TGTCTCTGTGGCCTTTGGTGTCCCATAGGAGGTGACTCTTCACTTAGAGGAGGTCACTTACTACTTT
 CCCTTGAAAACCTTGGGAGGTCAATTTTTGCAGCCCTGGTGGCTGCCTTCACTGCGCTCCATCAACC
 CCTTTGAAAATAGCCGCCTGGTCTCTTTATGTGGAGTATACACCTTGGTACATGGCTGAACCTT
 CCCTTTCATCTGCTTGGAGTCTTTGGGGTGTGGGGAACCGTCTTACACGCTGCAACATTGCCTGG
 TGCAGGAGCGTAAAACCACAGGCTGGGAAGTATCCAGTGTGGAGGTCACTTGGTGGACAGCCATCA
 TGCCATCATTGCTTATCCCAATCCCTACACTCGCCAGAGCACCAGTGAGCTCATATCTGAGCTATTCAA
 TGATTGTGGGGCTCTTGGTCTTCTCAGCTCTGTGACTACATCAATGACCCCAACATGACTCGGCCTGTG
 GATGACATTCCGGACCGGCCAGCTGGGGTGGAGTTTACACAGCCATGTGGCAGCTGGCCTTGGCACTGA
 TCTTCAAATAGTCATTACTATATTTACCTTTGGCATGAAGATCCCTCAGGTCTCTTATCCCCAGTAT
 GGCTGTAGGAGCCATGGCAGGCCGATGGTGGGAATTGGTGTGGAGCAGCTGGCCTACCATCATGAC
 TGGATCATCTTACGAACTGGTGCAGGCCCTGGAGCGGACTGTGTACACCAGGGCTTTATGCGATGGTGG
 GAGCTGCAGCCTGTCTAGGTGGAGTACTAGGATGACAGTGTCTCTGGTAGTCATCATGTTTGAAGTAC
 TGGAGGTCTGGAATATATTGTACCCCTGATGGCAGCTGCTGTTACCAGCAAGTGGTGGCTGATGCCTT
 GGGAAAGAAGGGATTTATGAAGCCACATCCATCTGAATGGGTACCCATTTCTTGTGTGAAGGATGAGT
 TCACTCACCGTACCCTAGCCACTGATGTGATGCGGCCCGCAGGGGAGAACCACCTTTGTGAGTACTAAC
 CCAGGACAGCATGACTGTGGAGGATGTGGAGACTCTCATAAAAAGAGACAGACTACAATGGCTTTCCTGTG
 GTGGTCTCGAGAGATTCCGGAGCGCCTATAGGCTTTGCCAGAGGGCGGGAGCTAATCTTGGCTATAAAAA
 ATGCCAGACAGAGGCAAGAGGGCATCGTGAGCAATCCATCATGTACTTACAGAGGAGCCCCCTGAGCT
 GCCTGCCAACAGCCACATCCACTGAAGCTGAGGCGCATTTCTGAACCTGAGCCCTTTTACTGTACAGAC
 CACACCCCATGGAGACAGTGGTGGACATTTTCCGAAACTGGGGCTCCGACAATGCCTGGTGGACACGGA
 GTGGGAGGCTTCTTGGGATCATCAAAAAAGACGTTCTGAGACACATGGCGCAGATGGCAAACCGGA
 CCCTGAATCCATCATGTTAAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_022198
Insert Size: 2265 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_022198.2 , NP_071534.2 |
| RefSeq Size: | 4415 bp |
| RefSeq ORF: | 2265 bp |
| Locus ID: | 60586 |
| Cytogenetics: | Xq13 |
| Gene Summary: | may act as a chloride channel [RGD, Feb 2006] |