

Product datasheet for **RN210066**

Clcn1 (NM_013147) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Clcn1 (NM_013147) Rat Untagged Clone
Tag: Tag Free
Symbol: Clcn1
Synonyms: SMCC
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN210066 representing NM_013147
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCGGTCCCAGTCCCAGCAACATGGAGGTGAACAAAGCTGGTGGGGCACTGCCCCCAGTACCAGT
ACATGCCCTTCGAACATTGTACCAGCTATGGACTGCCCTCAGAGAATGGGGCCCTCAGCACCGGCCCG
AAAGGACCTGGGTCCCAGGCACAATGCCACCCAAACACAGATATATGGCCATCACAAAGAACAATATTCA
TATCAGGCACAGGACAGGGGAATACCCAAGAAGACGGACTCCAGTTCTACTGTGGACAGCTTGGATGAGG
ACCACTATTCTAAATGTCAAGACTGTGTCCATCGCCTGGGACGTGTGCTGAGAAGGAAGCTGGGGGAAGA
CTGGATCTTTCTGTGCTCCTGGGCCTACTGATGGCTCTTGTGACGCTGGTGCATGGACTATGTTAGCGCC
AAGAGCCTTCAGGCCTACAAGTGGACCTATGCCAGATGCAGCCAGCCTTCCTCTACAGTACTTGGCCT
GGGTACCTTCCCCTTATCCTCATCCTCTTCACTGCCCCTTTTTGCCAACTCATCTCTCCCAGGCTGT
GGGCTCTGGAATCCCTGAGATGAAGACAATTCTCGTGGTGTGTCTTGAAGGAATACCTCACACTCAAG
GCCTTTGTAGCCAAGGTGGTGGCCTTGACAGCCGGTCTGGCAGTGGTATCCCTGTGGGAAAGAGGGTC
CCTTTGTTACATTGCCAGCATCTGTGCTGCTGTCTCAGCAAATTCATGTCCATGTTCTCTGGTGTCTA
TGAGCAGCCATACTATTACACTGACATCCTGACAGTGGGCTGTGCCGTGGGGGTCCGGTTCGTTTTGGA
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GCCAGTACGCTGTGTGGATTACCCCCAGGTCAAGTGGTCAATCATCATCTTCTCTTCTCGTCATGAA
GTTTTGGATGTCCATTGTGGCCAGACTATGCCATACCTGTGGAGGCTTCATGCCTGTTTTTGTGCTA
GGAGCTGCCTTTGGAAGGCTGGTAGGAGAGATCATGGCCATGCTGTTCCCTGAGGGTATCTTATTTGATG



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ATATCATCTATAAGATCTTACCAGGGGGCTATGCAGTGATTGGAGCAGCAGCTTTGACAGGGGCTGTCTC
TCACACAGTCTCCACAGCTGTGATTTGCTTCGAATTAAGTGGTCAGATTGCTCACATCCTGCCCATGATG
GTGGCTGTTATCTTGGCCAACATGGTGGCCCAAAGTCTGCAGCCCTCCCTCTATGACAGCATCATCCAGG
TCAAGAAGCTTCCTATTTGCCAGACCTTGTTTGAACAGCTCAGCAAATTTACAATTTTTGTTGAGGA
CATCATGGTACGTGACGTGAAGTTTGTTCAGCTTCTGTACATACGGGGAACAAAGAACTACTCCAG
ACCACCACAGTCAAGACTTTACCATTGGTTGACTCCAAAGATTCAATGATCCTGCTAGGCTCTGTGGAAC
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CTGCGGTCCACTGATGAGGAAGATGAGGACGAGCTGATCCTGTGA

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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_013147
- Insert Size:** 2985 bp
- 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:**
 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_013147.1](#), [NP_037279.1](#)
- RefSeq Size:** 3197 bp
- RefSeq ORF:** 2985 bp
- Locus ID:** 25688

UniProt ID: [P35524](#)

Cytogenetics: 4q24

Gene Summary: plays a role in chloride ion transport and membrane conductance in skeletal muscle [RGD, Feb 2006]