

## Product datasheet for **MR219904**

### **Clcc1 (NM\_001177770) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Clcc1 (NM_001177770) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clcc1
Synonyms:	Mclc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR219904 representing NM\_001177770  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCTTATTCAGGATGCTGTGTCGGCTGCTCCTTTGTGAATGTCTGTTGCTGATAACGGTTATGCTC  
 ATGATGACGACTGGATTGACCAACAGATATGCTTAACTATGACGCTGCTTCAGGAACGATGAGGAAATC  
 TCAGGTGAGGTCTGGAACATCAGAGAAGAAGGAAGTGAGCCCTGACTCGTCAGAAGCCGAGGAACCTGCA  
 GACTGTTTGCACAGACTGGATTCTTAACTCACAAGGTTGATAGTTGTGAAAAGAAGAAAATGAAAGATT  
 ATGAAAGTCAAAGTAATCCTGTTTTAGGAGATATCTAAATAAGATTTTAAATTGAAGCTGGCAAGCTTGG  
 ACTCCCTGATGAGAACAAAGTAGAGATGCGTTACGATGCTGAGATTCTCCTGAGCAGACAGACACTGTTG  
 GAGATTCAGAAGTTCTCAGCGGAGAGGAGTGGAAGCCCGGAGCCCTGGACGACGACTAAGTGACATTT  
 TAATCAATTTTAAAGTCCATGATTGAGAAGCATGGAAGTGGCAGTTTGAAGATTATTTGGAGTAGATCC  
 ATATAATGTGTTTATGGTTCTCTTGTGCTGCTGCTGCCTTGTGGTCTGGTGGCTACAGAGCTGTGGACT  
 TATGTTCCGCTGGTACACACAGATGAAACGGATTTTCATCATCAGCTTTCTCTTGAGTTTAGCATGGAATT  
 GGATATATCTGTATAAGATGGCTTTTGCTCAGCATCAGGCTAACATTGCTGGGATGGAGCCTTTTCGACAA  
 TTTATGTGCTAAGAAGATGGATTGGACTGGAAGTCTCTGGGAATGGTTTACAAGTTCATGGACCTATAAG  
 GATGACCCATGCCAAAAGTACTATGAGCTCCTAATAGTCAACCCTATTTGGTTGGTTCCACCAACAAAGG  
 CTCTGGCGATTACATTACTAATTTGTAAACGGAACCTAAAGCACATTGAAAAGGAGCAGGTGAATT  
 CATTAAAGCGCTCATGAAGGAGATTCCAGTGTTACTTCAGATTCGGTCTGGCGATCCTGGCGCTGGCT  
 GTCCTGAGCTTCTGCTATGGTCTGGAAGTCAAGTTCATGCTGAGACACTTCGGTGGTCTGACAGAG  
 AACCTCCCGAGCACTTGAGCCAGATGACAGAAGACGACAGAAGGGACTTGACTATAGACTCCATGGTGG  
 AGCAGGTGATGCAGATTTCTTTACAGGGCCAGCTGGCTCCATCGAGCAAGGCCCTTATGACAAAATG  
 CATGCGAGTAAGAGAGATGCTTTGAGACAGAGATTTCACTCTGGCAACAAGAGCCCTGAAGTGTCCGGG  
 CATTTGACTTACCTGACACAGAGGCACAAGAACATCCAGAAGTGGTCCCGAGCCATAAATCACCCATTAT  
 GAACACAAACCTTGAGACTGGTGAACCTCCAGGAGAAAGCACCCCGACAGAATACAGCCAGTCTGCCAAG  
 GATGTCTCTGGCCAAAGTCCCAGCGCTGGCAAAAGCTCACCCACAGTGGACAAGGCCAGCTGAAGACAG  
 ACTCCGAGTGCAGCCACCAGGAGGCTGCCACCAGCAAGGAAGCTGCAGTGGCAGCACACGGGACTGA  
 ACCTGTCAGCAGCCATGTGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR219904 representing NM\_001177770  
 Red=Cloning site Green=Tags(s)

MALFRMLCRLLLCELLLITGYAHHDDWIDPTDMLNYDAASGTMRSQVRSSTSEKKEVSPDSSEAEELS  
 DCLHRLDSLTHKVDSCCKKMKDYESQSNPVFRRLNKLIEAGKGLPDENKVMRYDAEILLSRQTL  
 EIQKFLSGEHWKPGALDDALSDILINFKCHDSEAWKWQFEDYFGVDPYNVFMVLLCLLCLVVLVATELWT  
 YVRWYTMKRIFIIISFLLSLAWNWIYLYKMAFAQHQANIAGMEPFDNLCAKKMDWTGSLWEWFTSSWYK  
 DDPQCQKYELLIVNPIWLVPTKALAITFTNFVTEPLKHIGKAGEFIKALMKEIPVLLQIPVLAIALALA  
 VLSFCYAGRSVPMLRHFGGPDREPPRALEPDDRRRQKGLDYRLHGGAGDADF SYRGPAGSIEQGPYDKM  
 HASKRDALRQRFHSGNKSPEVLRAFDLPDTEAQEHPEVVP SHKSPIMNTNLETGELPGESTPTEYSQSAK  
 DVSGQVPSAGKSSPTVDKAQLKTDSECSPPGGCPPSKEAAVAHAHTEPVSSPCG

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9015\\_e07.zip](https://cdn.origene.com/chromatograms/mm9015_e07.zip)

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001177770

ORF Size: 1632 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_001177770.2](#)

RefSeq Size: 3064 bp

RefSeq ORF: 1635 bp

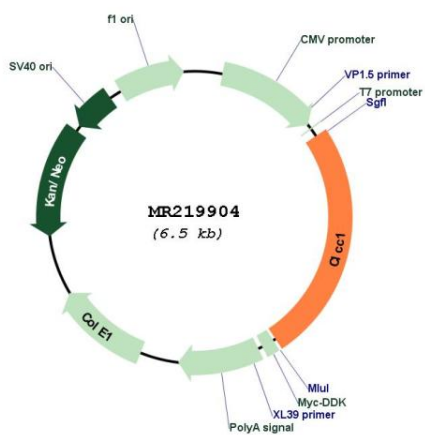
Locus ID: 229725

Cytogenetics: 3 F3

**MW:** 61.7 kDa

**Gene Summary:** Seems to act as a chloride ion channel.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR219904