

## Product datasheet for **RC237752**

### CLCC1 (NM\_001278203) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CLCC1 (NM_001278203) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CLCC1
Synonyms:	MCLC; RP32
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237752 representing NM_001278203 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCTGTGTTCTTTGCTCCTTTGGAATGTCTGTTGCTGGTAGCTGGTTATGCTCATGATGATGACTGGA  
TTGACCCACAGACATGCTTAACATATGATGCTGCTTCAGGAACAATGAGAAAATCTCAGGCAAAATATGG  
TATTTTCAGGGGAAAAGGATGTCAGTCCTGACTTGTGATGCTGATGAAATATCAGAATGTTATCACAAA  
CTTGATTCCTTTAACTTATAAGATTGATGAGTGTGAAAAGAAAAGAGGGAAGACTATGAAAGTCAAAGCA  
ATCCTGTTTTTAGGAGATACTTAAATAAGATTTAATTGAAGCTGAAAAGCTTGGACTTGCACCTTGCACT  
TACATTCACCACATTTGTAACGGAGCCATTGAAGCATATTGAAAAGGAAGCTGGGGAATTTATTAAGCA  
CTCATGAAGGAAATTCAGCGCTGCTTCATCTCCAGTGCTGATAATTATGGCATTAGCCATCCTGAGTT  
TCTGCTATGGTGCTGGAAAATCAGTTTATGTGCTGAGACATATAGGCGGTCTGAGAGCGAACCTCCCCA  
GGCACTTCGGCCACGGGATAGAAGACGGCAGGAGGAAATTGATTATAGACCTGATGGTGGAGCAGGTGAT  
GCCGATTTCCATTATAGGGGCCAAATGGGCCCACTGAGCAAGGCCCTTATGCCAAAACGTATGAGGGTA  
GAAGAGAGATTTGAGAGAGAGAGATGTTGACTTGAGATTTGAGACTGGCAACAAGAGCCCTGAAGTGCT  
CCGGGCATTTGATGTACCAGACGACAGAGCAGAGCATCCACGGTGGTACCCAGTCATAAATCACCT  
GTTTTGGATACAAAGCCCAAGGAGACAGGTGGAATCCTGGGGAAAGGCACACCGAAAAGAAAGCAGTACTG  
AAAGCAGCCAGTCGGCCAAGCCTGTCTCTGGCCAAGACACATCAGGGAATACAGAAGTTTACCCCGCAGC  
GGAAAAGGCCAGCTCAAGTCTGAAGCCGACGGCAGCCAGACCAAGGCAGCACATACAGCCCCGCAAGA  
GGTGTGGCTGGACCAGTGGACAGGATCCGGTCAGCAGCCCTGTGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237752 representing NM\_001278203  
 Red=Cloning site Green=Tags(s)

MLCSLLLCECLLLVAGYAHDDDWIDPTDMLNYDAASGTMRSQAKYGISGEKDVSPDLSCADEISECYHK  
 LDSLTYKIDECEKKKREDYEQSNPVFRRYLNLKILIEAGLGLALAVTFTTFVTEPLKHIGKGTGEFIKA  
 LMKEIPALLHLPVLIIMALAILSFCYGAGKSVHVLRHIGGPESEPPQALRPDRRRQEEIDYRPDGGAGD  
 ADFHYRGQMGPTREQGPYAKTYEGRREILRERDVLRFQTGNKSPEVLRADFVDPDAEAREHPTVVP SHKSP  
 VLDTKPKETGGILGEGTPKESSTESSQSAKPVSGQDTSNGTEGSPA AEAQLKSEAAGSPDQGSTYSPAR  
 GVAGPRGQDPVSSPCG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

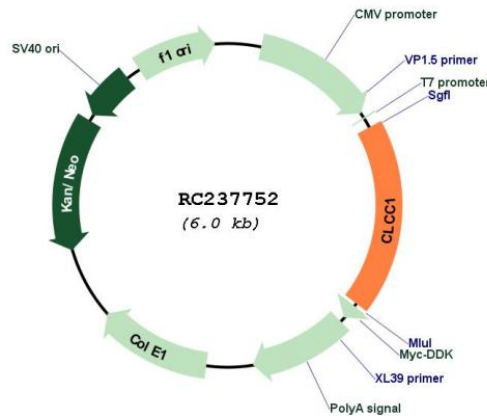
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001278203

<b>ORF Size:</b>	1098 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001278203.1</a> , <a href="#">NP_001265132.1</a>
<b>RefSeq Size:</b>	4151 bp
<b>RefSeq ORF:</b>	1101 bp
<b>Locus ID:</b>	23155
<b>UniProt ID:</b>	<a href="#">Q96S66</a>
<b>Cytogenetics:</b>	1p13.3
<b>Protein Families:</b>	Ion Channels: Other, Transmembrane
<b>MW:</b>	40.3 kDa
<b>Gene Summary:</b>	Seems to act as a chloride ion channel.[UniProtKB/Swiss-Prot Function]