

## Product datasheet for **RG238182**

### CLCC1 (NM\_001278202) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CLCC1 (NM_001278202) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CLCC1
Synonyms:	MCLC; RP32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238182 representing NM_001278202. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGTGTTCTTTGCTCCTTTGTGAATGTCTGTTGCTGGTAGCTGGTTATGCTCATGATGACTGG
ATTGACCCACAGACATGCTTAACATGATGCTGCTTCAGGAACAATGAGAAAATCTCAGGCAAAATAT
GGTATTTTCAGGGGAAAAGGATGTCAGTCCTGACTTGTGATGTGCTGATGAAAATATCAGAATGTTATCAC
AAACTTGATTCTTTAACTTATAAGATTGATGAGTGTGAAAAGAAAAGAGGGAAGACTATGAAAGTCAA
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TTTGCACAGCATCAGGCTGAAGTCGCCAAGATGGAGCCATTAACAATGTGTGTGCCAAAAGATGGAC
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GAAATTCAGCGCTGCTTCATCTCCAGTGCTGATAATTATGGCATTAGCCATCCTGAGTTTCTGCTAT
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TTCCATTATAGGGGCCAAATGGGCCCACTGAGCAAGGCCCTTATGCCAAAACGATGAGGGTAGAAGA
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GAAAAGGCCAGCTCAAGTCTGAAGCCGAGGCAGCCAGACCAAGGCAGCACATACAGCCCGCAAGA
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```



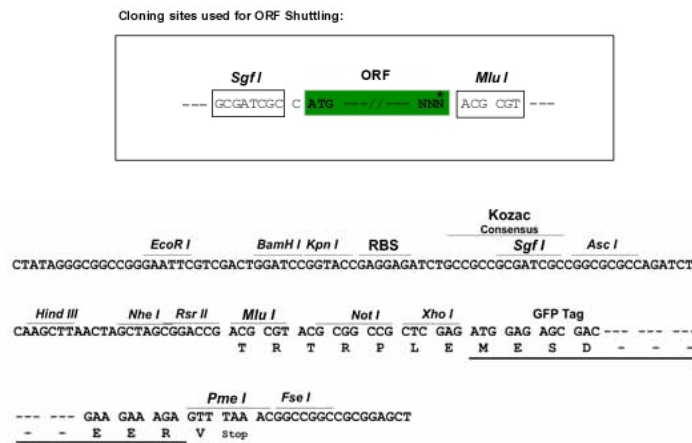
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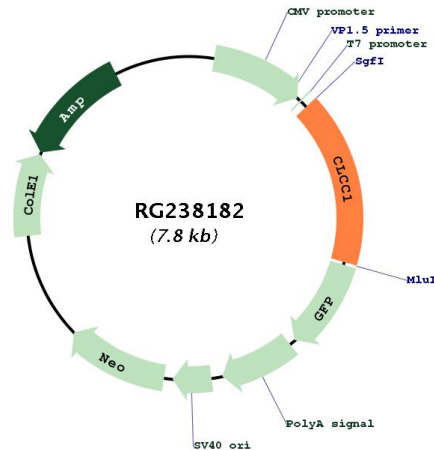
**Protein Sequence:** >Peptide sequence encoded by RG238182  
 Blue=ORF Red=Cloning site Green=Tag(s)

MLCSLLLCECLLLVAGYAHDDWDIDPTDMLNYDAASGTMRSQAKYGISGEKDVSPDLSCADEISECYH  
 KLDSTLYKIDECEKKKREDEYSQSNPVFRRYLNKILIEAGKGLLAFQAQAEVAKMEPLNNVCAKKMD  
 WTGSIWEWFRSSWTYKDDPCQKYELLVNIWLVPTKALAVTFVTEPLKHIKGTGEF IKALMK  
 EIPALLHLPLVLIIMALAILSFCYGAGKSVHVLRHIGGPESEPPQALRPDRRRQEEIDYRPDGGAGDAD  
 FHYRGMGPTTEQGPYAKTYEGRREILRERDVLRFQTGNKSPEVLRADFVPDAEAREHPTVVPSPV  
 LDTKPKETGGILGEGTPKESSTESSQSAKPVSGQDTSNTEGSPA AEKAQLKSEAAGSPDQGSTYSPAR  
 GVAGPRGQDPVSSPCG  
**TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV**  
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001278202

**ORF Size:** 1290 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).

**RefSeq:** [NM\\_001278202.2](#)

**RefSeq Size:** 4343 bp

**RefSeq ORF:** 1293 bp

**Locus ID:** 23155

**UniProt ID:** [Q96S66](#)

**Cytogenetics:** 1p13.3

**Protein Families:** Ion Channels: Other, Transmembrane

**MW:** 47.9 kDa

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