

Product datasheet for **RG202649**

CLCC1 (NM_015127) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLCC1 (NM_015127) 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)



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ORF Nucleotide Sequence:

>RG202649 representing NM_015127
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGTGTTCTTTGCTCCTTTGTAATGTCTGTTGCTGGTAGCTGGTTATGCTCATGATGACTGGA
 TTGACCCACAGACATGCTTAACTATGATGCTGCTTCAGGAACAATGAGAAAATCTCAGGCAAAATATGG
 TATTTACAGGGAAAAGGATGTCAGTCTGACTTGTGATGCTGATGAAATATCAGAATGTTATCAGAAA
 CTTGATTCTTTAACTTATAAGATTGATGAGTGTGAAAAGAAAAGAGGGAAGACTATGAAAGTCAAAGCA
 ATCCTGTTTTTAGGAGATACTTAAATAAGATTTTAATTGAAGCTGGAAAGCTTGGACTTTTTTCATGATTT
 TGAAACATGGAAGTGGCATTGGAAGATTCCTTTGGAGTGGATCCATATAATGTGTTAATGGTACTTCTT
 TGTCTGCTCTGCATCGTGGTTTTAGTGGCTACCGAGCTGTGGACATATGTACGTTGGTACACTCAGTTGA
 GACGTGTTTTAATCATCAGCTTTCTGTTCACTTTGGGATGGAATTGGATGATTTTATATAAGCTAGCTTT
 TGCACAGCATCAGGCTGAAGTCGCAAGATGGAGCCATTAACAATGTGTGTGCCAAAAAGATGGACTGG
 ACTGGAAGTATCTGGAAATGGTTTGAAGTTCATGGACCTATAAGGATGACCCATGCCAAAAATACTATG
 AGCTCTTACTAGTCAACCCTATTTGGTTGGTCCCACCACAAAGGCACTTGCAGTTACATTCACCACATT
 TGTAAACGGAGCCATTGAAGCATATTGAAAAGGAACTGGGGAATTTATTAAGCACTCATGAAGGAAATT
 CCAGCGCTGCTTCATCTCCAGTCTGATAAATTATGGCATTAGCCATCCTGAGTTTCTGCTATGGTGCTG
 GAAAATCAGTTTATGCTGAGACATATAGCGGTCTGAGAGCGAACCTCCCAGGCACTTCGGCCACG
 GGATAGAAGACGGCAGGAGGAAATTGATTATAGACCTGATGGTGGAGCAGGTGATGCCGATTTCCATTAT
 AGGGGCCAAATGGGCCCACTGAGCAAGGCCCTTATGCCAAAACGTATGAGGGTAGAAGAGAGATTTTGA
 GAGAGAGATGTTGACTTGAGATTTGACTGGCAACAAGAGCCCTGAAGTGTCCGGCATTGATG
 ACCAGACGACAGGACGAGAGCATCCCACGGTGGTACCCAGTCATAAATCACCTGTTTTGGATACAAAG
 CCCAAGGAGACAGGTGGAATCCTGGGGGAAGGCACACCGAAAGAAAGCAGTACTGAAAGCAGCCAGTCGG
 CCAAGCCTGTCTCTGGCCAAGACACATCAGGGAATACAGAAGGTTACCCCGCAGCGGAAAAGGCCAGCT
 CAAGTCTGAAGCCGAGGACGCCAGCCAAGGCAGCACATACAGCCCCGAAGAGGTGTGGCTGGACCA
 CGTGGACAGGATCCGGTCAGCAGCCCCTGTGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG202649 representing NM_015127
 Red=Cloning site Green=Tags(s)

MLCSLLLCELLLLVAGYAHDDDWIDPTDMLNYDAASGTMRSQAKYKISGEKDVSPDLSCADEISECYHK
 LDSLTYKIDCEKREDEYESQSNPVFRRYLNLKILIEAGKLGFLHDFETWKWRFEDSFGVDPYNVLMVLL
 CLLCIVLVATELWTVYRWYTLRRVLIISFLSLGWNWMLYKLAFAQHQAQAEVAKMEPLNNVCAKMDW
 TGSIEWEFRSSWYKDDPCQKYELLVNIWLVPPTKALAVTFTTFVTEPLKHIGKGTGEFIKALMKEI
 PALLHLPVLIIMALAILSFCYAGKSVHVLRHIGGPESEPPQALRPRDRRRQEEIDYRPDGGAGDADFHY
 RGQMGPTAQGPYAKTYEGRREILRERDVLRFQTGNKSPEVLRADFVPAEAREHPTVVPVSHKSPVLDTK
 PKETGGILGEGTPKESSTESSQSAKPVSGQDTSNGTEGSPAAEKAQLKSEAAGSPDQGSTYSPARGVAGP
 RGQDPVSSPCG

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_015127

ORF Size: 1503 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_015127.2](#), [NP_055942.1](#)

RefSeq Size: 4685 bp

RefSeq ORF: 1506 bp

Locus ID: 23155

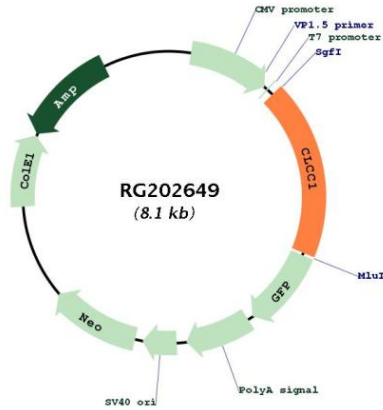
UniProt ID: [Q96S66](#)

Cytogenetics: 1p13.3

Protein Families: Ion Channels: Other, Transmembrane

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

Product images:



Circular map for RG202649