

## Product datasheet for **MG219904**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Clcc1 (NM_001177770) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Clcc1
Synonyms:	Mclc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG219904 representing NM\_001177770  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGTGTCGGTCTCTTTGTGAATGTCTGTTGCTGATAACGGGTTATGCTCATGATGACGACTGGA  
 TTGACCCAACAGATATGCTTAACTATGACGCTGCTTCAGGAACGATGAGGAAATCTCAGGTGAGGTCTGG  
 AACATCAGAGAAGAAGGAAGTGAGCCCTGACTCGTCAGAAGCCGAGGAACGTGTCAGACTGTTTGCACAGA  
 CTGGATTCTTAACTCACAAGGTTGATAGTTGTGAAAAGAAGAAAATGAAAGATTATGAAAGTCAAAGTA  
 ATCCTGTTTTCAGGAGATATCTAAATAAGATTTTAATTGAAGCTGGCAAGCTTGGACTCCCTGATGAGAA  
 CAAAGTAGAGATGCGTTACGATGCTGAGATTCTCCTGAGCAGACAGACTGTTGGAGATTCAGAAGTTC  
 CTCAGCGGAGAGGAGTGAAGCCCGAGCCCTGGACGACGCACTAAGTGACATTTAATCAATTTAAGT  
 GCCATGATTGAGAAGCATGGAAGTGGCAGTTTGAAGATTATTTGGAGTAGATCCATATAATGTGTTTAT  
 GGTTCCTTGTGCTGCTGCTGCCTTGTGGTCTGGTGGCTACAGAGCTGTGGACTTATGTTGCTGGTAC  
 ACACAGATGAAACGGATTTTCATCATCAGCTTTCTCTTGAGTTTAGCATGGAATTGGATATATCTGTATA  
 AGATGGCTTTTGCTCAGCATCAGGCTAACATTGCTGGGATGGAGCCTTTCGACAATTTATGTGCTAAGAA  
 GATGGATTGGACTGGAAGTCTCTGGGAATGTTTACAAGTTATGAGCCTATAAGGATGACCCATGCCAA  
 AAGTACTATGAGCTCCTAATAGTCAACCCTATTTGGTTGGTTCCACCAACAAAGGCTCTGGCGATTACAT  
 TCACTAACTTTGTAAACGGAACCATTAAGCACATTGAAAAGGAGCAGGTGAATTCATTAAGCGCTCAT  
 GAAGGAGATCCAGTGTTACTTCAGATTCGGTCTGGCGATCCTGGCGTGGCTGTCTGAGCTTCTGC  
 TATGGTCTGGAAGGTCAGTTCCTATGCTGAGACACTTCGGTGGTCTGACAGAGAACCTCCCGAGCAC  
 TTGAGCCAGATGACAGAAGCAGCAGAAGGGACTTGACTATAGACTCCATGGTGGAGCAGGTGATGCAGA  
 TTTCTCTTACAGGGGCCAGCTGGCTCCATCGAGCAAGGCCCTTATGACAAAATGCATGCGAGTAAGAGA  
 GATGCTTTGAGACAGAGATTTCACTCTGGCAACAAGAGCCCTGAAGTGCTCCGGGCAATTTGACTTACCTG  
 ACACAGAGGCACAAGAACATCCAGAAGTGGTCCCAGCCATAAATCACCCATTATGAACACAAAACCTTGA  
 GACTGGTGAACCTCCAGGAGAAAGCACCCCGACAGAATACAGCCAGTCTGCCAAGGATGTCTCTGGCCAA  
 GTTCCCAGCGCTGGCAAAAGCTCACCCACAGTGGACAAGGCCAGCTGAAGACAGACTCCGAGTGCAGCC  
 CACCAGGAGGCTGCCACCCAGCAAGGAAGCTGCAGTGGCAGCACACGGGACTGAACCTGTCAGCAGCCC  
 ATGTGGC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG219904 representing NM\_001177770  
 Red=Cloning site Green=Tags(s)

MLCRLLLCELLLLITGYAHDDWIDPTDMLNYDAASGTMRSQVRSSTSEKKEVSPDSSEAEELSDCLHR  
 LDSLTHKVDSCCKMKDYESQSNPVFRYLNLKILIEAGKLGLPDENKVMRYDAEILLSRQTLLEIQKF  
 LSGEHWKPGALDDALSDILINFKCHDSEAWKWQFEDYFGVDPYNVFMVLLCLLCLVVLVATELWTVYRWY  
 TQMKRIFIIISFLLSLAWNWIYLYKMAFAQHQANIAGMEPFDNLCAKMDWTGSLWEWFTSSWYKDDPCQ  
 KYEYELLIVNPIWLVPPTKALAITFTNFVTEPLKHIKGGAGEFIKALMKEIPVLLQIPVLAIALAVLSFC  
 YGAGRSVPMLRHFGGPDREPPRALEPDDRRRQKGLDYRLHGGAGDADF SYRGPAGSIEQGPYDKMHASKR  
 DALRQRFHSGNKSPEVLRAFDLPDTEAQEHPEVVP SHKSPIMNTNLETGELPGESTPTEYSQSAKDVSGQ  
 VPSAGKSSPTVDKAQLKTDSECSPPGGCPPSKEAAVAHAHGTEPVSSPCG

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

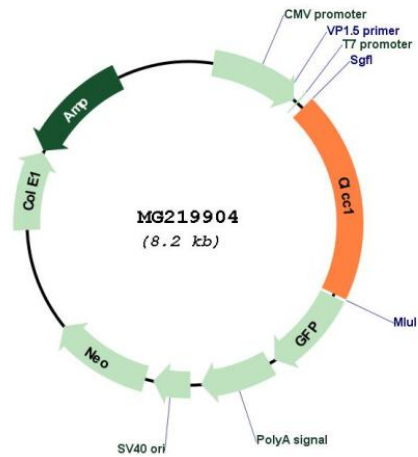
Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



<b>ACCN:</b>	NM_001177770
<b>ORF Size:</b>	1632 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_001177770.1</a> , <a href="#">NP_001171241.1</a>
<b>RefSeq Size:</b>	3064 bp
<b>RefSeq ORF:</b>	1635 bp
<b>Locus ID:</b>	229725
<b>Cytogenetics:</b>	3 F3
<b>Gene Summary:</b>	Seems to act as a chloride ion channel.[UniProtKB/Swiss-Prot Function]