

Product datasheet for **MG208623**

Clcc1 (NM_145543) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clcc1 (NM_145543) 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:

>MG208623 representing NM_145543
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGTGTCGGTGCTCCTTTGTGAATGTCTGTTGCTGATAACGGGTTATGCTCATGATGACGACTGGA
 TTGACCCAACAGATATGCTTAACTATGACGCTGCTTCAGGAACGATGAGGAAATCTCAGGTGAGGTCTGG
 AACATCAGAGAAGAAGGAAGTGAGCCCTGACTCGTCAGAAGCCGAGGAACTGTCAGACTGTTTGCACAGA
 CTGGATTCTTTAACTCACAAGGTTGATAGTTGTGAAAAGAAGAAAATGAAAGATTATGAAAGTCAAAGTA
 ATCCTGTTTTTCAGGAGATATCTAAATAAGATTTTAATTGAAGCTGGCAAGCTTGGACTCCCTGATGAGAA
 CAAAGTAGAGATGCGTTACGATGCTGAGATTCTCCTGAGCAGACAGACTGTTGGAGATTCAGAAGTTC
 CTCAGCGGAGAGGAGTGAAGCCCGAGCCCTGGACGACGCACTAAGTGACATTTAATCAATTTTAAGT
 GCCATGATTGAGAAGCATGGAAGTGGCAGTTTGAAGATTATTTGGAGTAGATCCATATAATGTGTTTAT
 GGTTCCTTGTGTCTGCTGCTGCCTTGTGGTCTGGTGGCTACAGAGCTGTGGACTTATGTTGCTGGTAC
 ACACAGATGAAACGGATTTTCATCATCAGCTTTCTCTTGAGTTTAGCATGGAATGGATATATCTGTATA
 AGATGGCTTTTGCTCAGCATCAGGCTAACATTGCTGGGATGGAGCCTTTCGACAATTTATGTGCTAAGAA
 GATGGATTGGACTGGAAGTCTCTGGGAATGGTTTACAAGTTATGAGCCTATAAGGATGACCCATGCCAA
 AAGTACTATGAGCTCCTAATAGTCAACCCTATTTGGTTGGTTCCACCAACAAAGGCTCTGGCGATTACAT
 TCACTAACTTTGTAAACGGAACCTAAAGCACATTGAAAAGGAGCAGGTGAATTCATTAAGCGCTCAT
 GAAGGAGATCCAGTGTTACTTCAGATTCGGTGTGGGATCCTGGCGTGGCTGTCTGAGCTTCTGC
 TATGGTCTGGAAGGTCAGTTCCTATGCTGAGACACTTCGGTGGTCTGACAGAGAACCTCCCGAGCAC
 TTGAGCCAGATGACAGAAGACGACAGAAGGGACTTGACTATAGACTCCATGGTGGAGCAGTGATGCAGA
 TTTCTCTTACAGGGGCCAGCTGGCTCCATCGAGCAAGGCCCTTATGACAAAATGCATGCGAGTAAGAGA
 GATGCTTTGAGACAGAGATTTCACTCTGGCAACAAGAGCCCTGAAGTGCTCCGGGCAATTTGACTTACCTG
 ACACAGAGGCACAAGAACATCCAGAAGTGGTCCCAGCCATAAATCACCCATTATGAACACAAAACCTTGA
 GACTGGTGAACCTCCAGGAGAAAGCACCCCGACAGAATACAGCCAGTCTGCCAAGGATGTCTCTGGCCAA
 GTTCCCAGCGCTGGCAAAAGCTCACCCACAGTGGACAAGGCCAGCTGAAGACAGACTCCGAGTGCAGCC
 CACCAGGAGGCTGCCACCCAGCAAGGAAGCTGCAGTGGCAGCACACGGGACTGAACCTGTCAGCAGCCC
 ATGTGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208623 representing NM_145543
 Red=Cloning site Green=Tags(s)

MLCRLLLCELLLLITGYAHDDWIDPTDMLNYDAASGTMRSQVRSSTSEKKEVSPDSSEAEELSDCLHR
 LDSLTHKVDSCCKMKDYESQSNPVFRYLNLKILIEAGKLGLPDENKVMRYDAEILLRQTLLEIQKF
 LSGEHWKPGALDDALSDILINFKCHDSEAWKWQFEDYFGVDPYNVFMVLLCLLCLVVLVATELWTVYRWY
 TQMKRIFIIISFLLSLAWNWIYLYKMAFAQHQANIAGMEPFDNLCAKMDWTGSLWEWFTSSWTYKDDPCQ
 KYEYELLIVNPIWLVPPTKALAITFTNFVTEPLKHIKGGAGEFIKALMKEIPVLLQIPVLAIALAVLSFC
 YGAGRSVPMLRHFGGPDREPPRALEPDDRRRQKGLDYRLHGGAGDADF SYRGPAGSIEQGPYDKMHASKR
 DALRQRFHSGNKSPEVLRFDLPDTEAQEHPEVVP SHKSPIMNTNLETGELPGESTPTEYSQSAKDVSGQ
 VPSAGKSSPTVDKAQLKTDSECSPPGGCPPSKEAAVAHAHGTEPVSSPCG

TRTRPLE - GFP Tag - V

Restriction Sites:

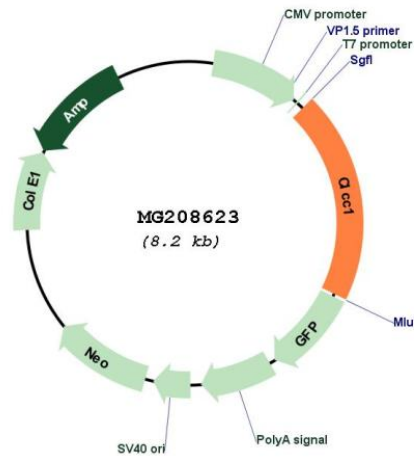
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_145543
ORF Size:	1617 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:	<ol style="list-style-type: none">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_145543.2 , NP_663518.1
RefSeq Size:	2043 bp
RefSeq ORF:	1620 bp
Locus ID:	229725
UniProt ID:	Q99LI2
Cytogenetics:	3 F3
Gene Summary:	Seems to act as a chloride ion channel.[UniProtKB/Swiss-Prot Function]