

Product datasheet for **MG202985**

Clic1 (NM_033444) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clic1 (NM_033444) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Clic1
Synonyms:	Clcp; G6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202985 representing NM_033444 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAAGAACAACCTCAGGTCGAACTGTTTCGTGAAGGCTGGCAGTGATGGTGCCAAGATTGGGAACT
GCCCTTCTCCCAGAGACTGTTTCATGGTCTCTGGCTCAAGGGAGTCACCTTCAACGTTACCACTGTGGA
CACCAAGAGACGGACAGAGACTGTACAGAAGCTCTGCCCGGTGGGCAGCTGCCGTTCTTGCTCTATGGC
ACCGAAGTGCACACAGACACCAACAAGATCGAGGAATTCCTGGAGGCCATGCTGTGCCCTCCAGGTACC
CAAAGCTGGCTGCCCTGAACCCTGAGTCCAACACCTCGGGACTGGACATATTTGCAAAGTTTCTGCCTA
CATCAAGAACTCAAACCCAGCCCTCAATGACAACCTAGAGAAGGGACTCCTGAAAGCCCTGAAGGTCTA
GACAATTACCTGACATCCCCCTCCCAGAAGAAGTGGATGAAACCAAGCCGAAGATGAGGGCATCTCTC
AGAGGAAGTTTCTGGACGGCAATGAGCTCACCTGGCTGACTGCAACCTGCTGCCAAAGCTTCACATAGT
ACAGGTGGTGTGCAAAAAGTACAGAGGCTTACCATCCCAGAGGCATTCCGTGGAGTGCATCGGTA
AGCAACGCTTATGCCCGGAAGAATTTGCCTCCACCTGTCCAGATGATGAAGAGATAGAGCTAGCCTATG
AGCAAGTGCCAGGGCTCTCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202985 representing NM_033444
Red=Cloning site Green=Tags(s)

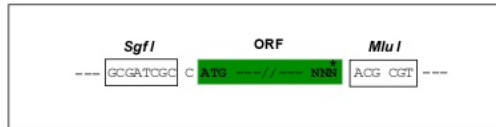
MAEEQPQVELFVKAGSDGAKIGNCPFSQRLFMVLWLKGVTFNVTVDTKRRTETVQKLCPPGGQLPFLLYG
 TEVHTDTNKIEEFLEAMLCPFRYPKLAALNPESNTSGLDIFAKFSAYIKNSNPALNDNLEKGLLKALKVL
 DNYLTSPLPEEVDETSAEDEGISQRKFLDGNELTLADCNLLPKLHIVQVVCKKYRGFTIPEAFRQVHRYL
 SNAYAREEFACPDDEEIELAYEQVARALK

TRTRPLE - GFP Tag - V

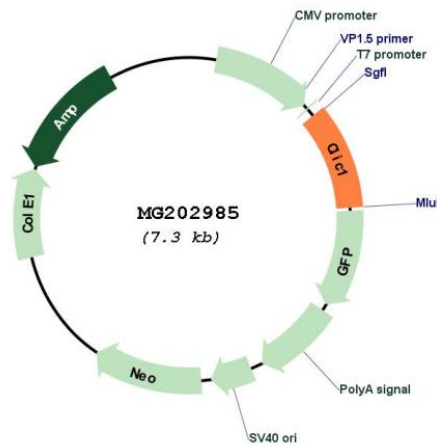
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_033444

ORF Size: 723 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_033444.2 , NP_254279.1
RefSeq Size:	1159 bp
RefSeq ORF:	726 bp
Locus ID:	114584
UniProt ID:	Q9Z1Q5
Cytogenetics:	17 18.58 cM
Gene Summary:	Can insert into membranes and form chloride ion channels. Channel activity depends on the pH. Membrane insertion seems to be redox-regulated and may occur only under oxydizing conditions (By similarity).[UniProtKB/Swiss-Prot Function]