

## Product datasheet for **RG218042**

### CLIC1 (NM\_001288) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | CLIC1 (NM_001288) Human Tagged ORF Clone                                    |
| Tag:                      | TurboGFP  |
| Symbol:                   | CLIC1   |
| Synonyms:                 | CL1C1; CLCNL1; G6; NCC27  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)   |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| ORF Nucleotide Sequence:  | >RG218042 representing NM_001288<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGGCTGAAGAACAACCGCAGGTGCAATTGTTCTGTAAGGCTGGCAGTGATGGGGCCAAGATTGGGAACT  
GCCCCATTCTCCAGAGACTGTTTCATGGTACTGTGGCTCAAGGGAGTCACCTTCAATGTTACCACCGTTGA  
CACCAAAAGGCGGACCGAGACAGTGCAGAAGCTGTGCCAGGGGGGAGCTCCCATTCCTGCTGTATGGC  
ACTGAAGTGCACACAGACACCAACAAGATTGAGGAATTTCTGGAGGCAGTGCTGTGCCCTCCAGGTACC  
CCAAGCTGGCAGCTCTGAACCCTGAGTCCAACACAGCTGGGCTGGACATATTTGCCAAATTTCTGCCTA  
CATCAAGAATTCAAACCCAGCACTCAATGACAATCTGGAGAAGGGACTCCTGAAAGCCCTGAAGGTTTTA  
GACAATTACTTAACATCCCCCTCCAGAGAAGTGGATGAAACCAGTGCTGAAGATGAAGGTGTCTCTC  
AGAGGAAGTTTTGGATGGCAACGAGCTCACCTGGCTGACTGCAACCTGTTGCCAAAGTTACACATAGT  
ACAGGTGGTGTGTAAGAAGTACCGGGATTACCATCCCCGAGGCCTCCGGGGAGTGCATCGGTACTTG  
AGCAATGCCTACGCCGGAAGAATTCGCTTCCACCTGTCCAGATGATGAGGAGATCGAGCTCGCCTATG  
AGCAAGTGGCAAAGGCCCTCAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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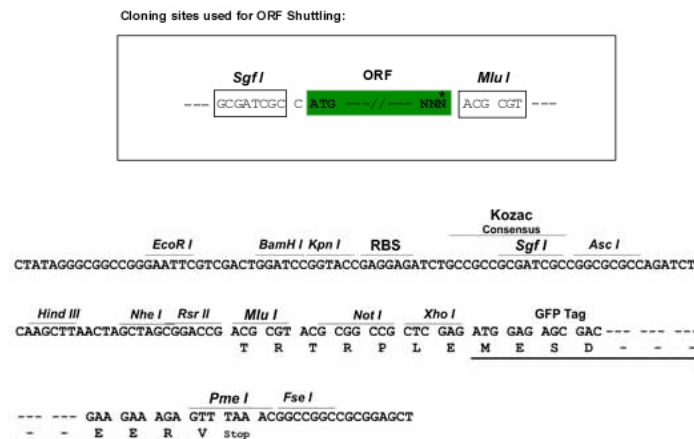
**Protein Sequence:** >RG218042 representing NM\_001288  
 Red=Cloning site Green=Tags(s)

MAEEQPQVELFVKAGSDGAKIGNCPFSQRLFMVLWLKGVTFNVTTVDTKRRTETVQKLCPGGQLPFLLYG  
 TEVHTDTNKIEEFLEAVLCPPRYPKLAALNPESNTAGLDIFAKFSAYIKNSNPALNDNLEKGLLKALKVL  
 DNYLTSPLPEEVDETSAEDEGVSQRKFLDGNELTLADCNLLPKLHIVQVVCKKYRGFTIPEAFRGVHRYL  
 SNAYAREEFASCPDDEEIELAYEQVAKALK

TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001288

**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:**

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\\_001288.4](#), [NP\\_001279.2](#)

**RefSeq Size:** 1265 bp

**RefSeq ORF:** 726 bp

**Locus ID:** 1192

**UniProt ID:** [O00299](#)

**Cytogenetics:** 6p21.33

**Protein Families:** Druggable Genome, Ion Channels: Other

**Gene Summary:** Chloride channels are a diverse group of proteins that regulate fundamental cellular processes including stabilization of cell membrane potential, transepithelial transport, maintenance of intracellular pH, and regulation of cell volume. Chloride intracellular channel 1 is a member of the p64 family; the protein localizes principally to the cell nucleus and exhibits both nuclear and plasma membrane chloride ion channel activity. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RG218042