

Product datasheet for **MC202077**

Clic4 (NM_013885) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Clic4 (NM_013885) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Clic4 |
| Synonyms: | D0Jmb3; mc3s5; mtCLIC; TU-74 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

Fully Sequenced ORF:

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>BC052890 sequence for NM_013885
AAAGGTAATCCTGAGGATCTGAGGCCACGGGCAGCCAGACGCCGGGACTGTCCAGCGAACGAGCAAGCCA
GCGAGTGAGCGAGCGGCGGGAACCCGCAGCCACAGCAGCCCCGGAGCCACAGCCGAGCCGCCGTCCGCG
GAGCCCAGCCAAACGGCCATGGCGCTGTGCATGCCCCCTGAACGGGCTGAAGGAGGAGGACAAAGAGCCC
CTCATCGAGCTCTTCGTCAAGGCCGGAAGTGATGGTAAAAGCATTGAAAACCTGCCCTTTTACAGAGGC
TCTTCATGATCCTTTGGCTCAAAGGAGTCGTGTTTCAGTGTACAACCGTTGACCTGAAAAGGAAACCTGC
AGATCTACAGAACTTGGCTCCTGGGACCCACCCGCCATTTATAACCTTCAACAGCGAAGTCAAGACGGAT
GTGAATAAGATTGAGGAATTTCTCGAAGAAGTCTTGTGCCACCCAAGTACCTAAAGCTTTCACCAAAGC
ACCCAGAGTCAAACACTGCTGGAATGGACATCTTTGCCAAATTCTCTGCTTACATCAAGAACTCAAGACC
AGAGGCTAATGAAGCGCTGGAGAGGGGGCTCTTAAAAACGCTGCAGAACTGGATGAGTACCTCAACTCT
CCCCTCCCGACGAAATCGACGAGAACAGCATGGAGGACATCAAATTTTCCACACGTCGGTTTCTGGACG
GCGATGAGATGACATTAGCAGACTGTAACCTGCTGCCAAGCTCCACATTGTCAAGGTGGTGGCCAAAAA
ATACCGCAACTTTGATATTCCTAAAGGAATGACAGGCATCTGGAGGTACCTGACAAACGCCTACAGCAGG
GACGAGTTCACCAACACCTGTCCAGCGACAAGGAGGTGAAAATCGCGTACAGCGATGTCGCCAAGAGAC
TTACCAAGTAGACAGCACTTTCGAGAGAGATGCCTTCCGATCCCCGAGAATCCGCTTTCCTAACAGACT
GCTCCGCCTCCTAAAGTAGAAGTATTTTTGCATGAACACACAGTTACTCAAGACTAGGAGTAAGGCTAG
ACAGAGTAGGCCCTCTCCAGTACACACTCCTGAGCAGTATTATTCTAAACTCCTCTACCCAGCCCACCTAC
CCTACCCTGCCCTGCCATCTGCTGCCCTCCAGTTTGGAGGCACTTCGCCACAAGCGTGTACCCCAAGAG
GCAGTTTGTGCTCACTCTGGAGCCCCGACCATCACGTCCTTCACTGTGTAGATGGCAGAACTTGAGGTG
CTATGTTCCACCATTAGAAAAGTCGCCTGCGACATCAGTGGACCCCATGTTGCTGTGTGCATGGTATAGG
AACATTTATGTAAGTGGGGAGTTGTAATATTGTGTAAGGAGTCTGGAAGGATTACTACTGTGTCAGACGT
GCTGTTTCAGAGTAGTCTGTTCTGGAGTGTCTGAGTGAGAAGGCCACTTCTGTAGAGACTGGTTTCTA
GGTAGACATTTAATTTTACTAAAATGTGTCAATTTGTATAAATTTGTAACATCCGATAGATACTACATAGA
AAATGAAGGACTGAGGGTTAGGAAGGCATTTTCAAATGACAAGAGAAGGTTGGGTGGGTCTCTGTCT
ATCTTGCCTGCTGTGAGGGTATCACCCAGGCCACTTATCCATCTACAGCGAGTAGTATGGCGGCCCTCC
TTGTAACAGGCTTTTTCTTTCTCTCTCGTGGTCTTGGGATGGAACCCAGGGCTTTGTTAGGCCTGA
CAAGGCTCTGCCCTGAGCTGTGCCAAGCCACCTCCCTCTGTGTACAAAGCTCCTTTCTTGGGTGACCA
ACATCTTCTGTCTTTGAGCAACCAAGGCCAGCATGCGAGCCACCCAGAAGTTAATAAACAGGTTCCAGC
GGGAGTTTGTGAAATGTTAAGCATAACAATGTTCTGGAGAGGGAGTGAAGAAGGGGCCATCTTAAACTCC
CGTGAGGCCAGGCTCGTGTCTGCTCCACCTCCATGTGCATCAGACTGGGTGAGAGGTCCTTCACTT
GTCTTGGGATAAATTGTAGTTGTCTTAGTGAGTGTGATTTCCACAGTTTGCCTCATGTGAGTCCCCAC
GCGGAAGGATAGCCTTCTGTGTTCTTCTGCTTTGTTTTGAGACAGGATGTTACTCTGAAACCCTGGTT
GGCCTGGAACCTGATAGGTGACCAAGCCAGCCTCAAACCTCGTGGCAGCCCTCTTGCAATTTGCCTCTGAA
TTGGAGCTAGGATTCAGCCTGCACCACCAGGCTGGCTTGTCTCATCTCTAAAAACAAAGTCTAAGC
TAAAAGTTGTTTGCAGTCTAACAAAGGGGAATGAGCTTTGTAACCAGAGGCCCTCCCGCCAGACAA
AATGGCCTTTCTCAGTAGTACTCCAGAGCCTGCTGTGACTTTGTGTAAGTGTGCTACATTTTTTTTATG
ATCTTTTTTAAAAACATGTTCAAGAAATGCTCTTTCTTAAAGTCGTCCTCACTCCACAGTTCGCTGCTTAA
AGTGGCCATGCTTTCCCTACGCTGTGCTGACACTTAAAAATAATGCCAGCTTTATGGAACCAAAAAAAA AAAAAAAA
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Restriction Sites: RsrII-NotI
ACCN: NM_013885
Insert Size: 762 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [BC052890](#), [AAH52890](#)

RefSeq Size: 2600 bp

RefSeq ORF: 762 bp

Locus ID: 29876

UniProt ID: [Q9QYB1](#)

Cytogenetics: 4 D3

Gene Summary: Can insert into membranes and form poorly selective ion channels that may also transport chloride ions. Channel activity depends on the pH. Membrane insertion seems to be redox-regulated and may occur only under oxidizing conditions. Promotes cell-surface expression of HRH3 (By similarity). May play a role in angiogenesis.[UniProtKB/Swiss-Prot Function]