

Product datasheet for **RN214433**

Clic2 (NM_001009651) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Clic2 (NM_001009651) Rat Untagged Clone
Tag: Tag Free
Symbol: Clic2
Synonyms: MGC108828
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN214433 representing NM_001009651
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAAGCTTAGCGCTCAACACCCAAGCAGACCCTGAAATTGAGCTCTTTGTGAAGGCTGGAAGTGACG
GAGAAAGTATTGGAACTGTCTTTCTGCCAACGCCTTTTATGATACTCTGGCTTAAGGGAGTTAAATT
TAATGTGACTACTATTGATACAGCCAGAAAACCTGAAGAAGTGAAGGACTTAGCCCCAGGTACCAACCCA
CCATTCTTGATATATAACAAAGAGTTGAAAACAGACTTCATTAATAATGAGGAGTTTCTAGAGAAGACAC
TCGCTCCTCCAAGGTATCCTCATCTGAGTCCCAAGTACAAGGAATCTTTCGATGTGGGCTGTAATCTCTT
TGCCAAATTTTCTGCGTACATTAAGAATACACAAAAGGAAGCAAATAAGAATTTTAAAAATCTCTGCTT
AGAGAAATTTAAACGTTTGGATGACTACTTAAATACCCCACTTCTGGATGAAATGATCCTGACAGCACCG
AGGAACGTACACTTTCCAGAAGACTGTTCTTGGATGGGGATCAACTAACACTGGCTGACTGTAGTTTGT
GCCCAAAGTGAACATTATTAAGTTGCTGCGAAGAAGTACCGTACTTTGACATTCCAGCAGAATTCTCA
GGAGTCTGGCGCTATCTCCACAATGCCTACGCCCGTGAAGAATTTGCCACACATGTCTGAAGACAAAG
AAATTGAAAATACCTATGCAAGTGTGGCTAAACAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001009651
Insert Size: 738 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001009651.1</u> , <u>NP_001009651.1</u>
RefSeq Size:	1219 bp
RefSeq ORF:	738 bp
Locus ID:	294141
UniProt ID:	<u>Q5M883</u>
Cytogenetics:	20p12
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. Modulates the activity of RYR2 and inhibits calcium influx (By similarity). [UniProtKB/Swiss-Prot Function]