

## Product datasheet for RC232115

### CLIC5 (NM\_001256023) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CLIC5 (NM\_001256023) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** CLIC5  
**Synonyms:** DFNB102; DFNB103; MST130; MSTP130  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC232115 representing NM\_001256023  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACAGACTCGGCGACAGCTAACGGGGACGACAGGGACCCCGAGATCGAGCTCTTTGTGAAGGCTGGAA  
 TCGATGGAGAAAGCATCGGCAACTGTCTTTCTCTCAGCGCCTTTCATGATCCTCTGGTGAAAGGAGT  
 CGTGTTCATGTCACCACTGTGGATCTGAAAAGAAAGCCAGCTGACCTGCACAACCTAGCCCCGGCAGC  
 CACCCGCCCTTCTGACCTTCAACGGGGACGTGAAGACAGACGTCAATAAGATCGAGGAGTTCCTGGAGG  
 AGACCTTGACCCCTGAAAAGTACCCAACTGGCTGAAAACACCGGGAATCCAACACAGCGGGCATCGA  
 CATCTTTTCCAAGTTTTCTGCCTACATCAAAAATACCAAGCAGCAGAACAATGCTGCTCTTGAAAGAGGC  
 CTAACCAAGGCTCTAAAGAAATTGGATGACTACCTGAACACCCCTCTACCAGAGGAGATTGACGCCAACA  
 CTTGTGGGGAAGACAAGGGGTCCCGCGCAAGTTCCTGGATGGGGATGAGCTGACCTGGCTGACTGCAA  
 TCTGTTGCCAAGCTCCATGTGGTCAAGGAACAAGTACCACTGAAAGGGATGATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC232115 representing NM\_001256023  
 Red=Cloning site Green=Tags(s)

MTDSATANGDDRPEIELFVKAGIDGESIGNCPFSQRLFMILWLKGVVFNVTVDLKRKPADLHNLAPGT  
 HPPFLTFNGDVKTDVNKIEEFLEETLTPEKYPKLAAKHRESNTAGIDIFSKFSAYIKNTKQNNALERG  
 LTKALKKLLDDYLNTPLEEIDANTCGEDKGSRRKFLDGDELTLADCNLLPKLHVVKEQVPLKGM

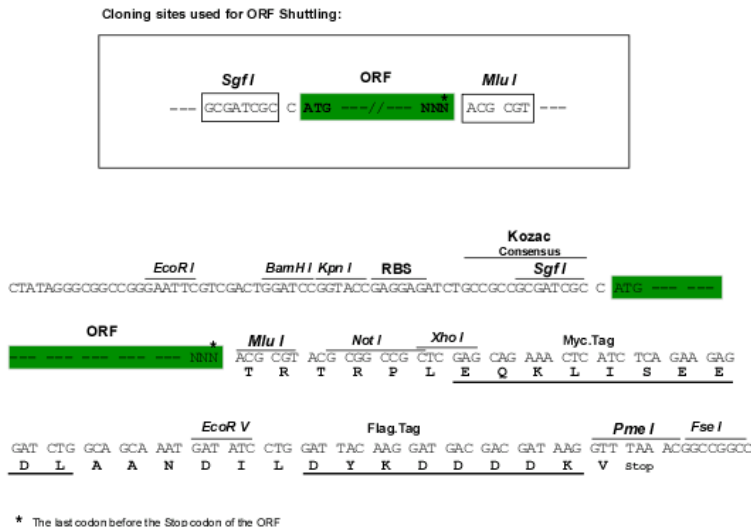
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**



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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001256023

**ORF Size:** 615 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\\_001256023.2](#)

**RefSeq Size:** 2067 bp

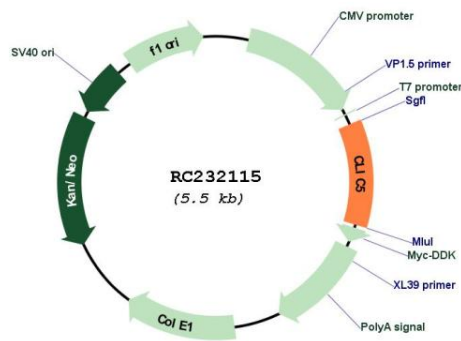
**RefSeq ORF:** 618 bp

**Locus ID:** 53405

**UniProt ID:** [Q9NZA1](#)

**Cytogenetics:** 6p21.1  
**Protein Families:** Druggable Genome, Ion Channels: Other  
**MW:** 23.3 kDa  
**Gene Summary:** This gene encodes a member of the chloride intracellular channel (CLIC) family of chloride ion channels. The encoded protein associates with actin-based cytoskeletal structures and may play a role in multiple processes including hair cell stereocilia formation, myoblast proliferation and glomerular podocyte and endothelial cell maintenance. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]

**Product images:**



Circular map for RC232115