

Product datasheet for **SC330350**

CLIC5 (NM_001256023) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CLIC5 (NM_001256023) Human Untagged Clone
Tag: Tag Free
Symbol: CLIC5
Synonyms: DFNB102; DFNB103; MST130; MSTP130
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330350 representing NM_001256023.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

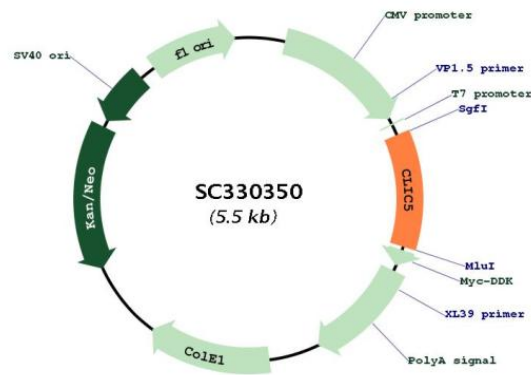
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ATGACAGACTCGGCGACAGCTAACGGGGACGACAGGGACCCCGAGATCGAGCTCTTTGTGAAGGCTGGA  
ATCGATGGAGAAAGCATCGGCAACTGTCCTTTCTCTCAGCGCCTTTCATGATCCTCTGGCTGAAAGGA  
GTCGTGTTCAATGTCACCACTGTGGATCTGAAAAGAAAGCCAGCTGACCTGCACAACCTAGCCCCGGC  
ACGCACCCGCCCTTCTGACCTTCAACGGGGACGTGAAGACAGACGTCAATAAGATCGAGGAGTTCCTG  
GAGGAGACCTTGACCCCTGAAAAGTACCCCAAAGTGGCTGCAAAACACCGGGAATCCAACACAGCGGGC  
ATCGACATCTTTTCCAAGTTTTCTGCCTACATCAAAAATACCAAGCAGCAGAACAATGCTGCTCTTGAA  
AGAGGCCTAACCAAGGCTCTAAAGAAATTGGATGACTACCTGAACACCCCTCTACCAGAGGAGATTGAC  
GCCAACACTTGTGGGGAAGACAAGGGTCCCAGGCAAGTTCTGGATGGGGATGAGCTGACCCCTGGCT  
GACTGCAATCTGTTGCCCAAGCTCCATGTGGTCAAGGAACAAGTACCCTGAAAGGGATGATATAA
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001256023

Insert Size: 618 bp

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:

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_001256023.1](#)

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: 22.8 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]

Transcript Variant: This variant (3) differs in the 5' and 3' UTRs and initiates translation at an alternate start codon, compared to variant 1. the encoded isoform (c) is shorter and has distinct N- and C-termini, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.