

Product datasheet for **SC122133**

CLIC3 (NM_004669) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLIC3 (NM_004669) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLIC3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC122133 sequence for NM_004669 edited (data generated by NextGen Sequencing)

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ATGGCGGAGACCAAGCTCCAGCTGTTTGTCAAGGCGAGTGAGGACGGGGAGAGCGTGGGT  
CACTGCCCTCCTGCCAGCGGCTTTCATGGTCCTGCTCCTCAAGGGCGTACCTTTCACC  
CTCACCACGGTGGACACGCGCAGGTCCCCGGACGTGCTGAAGGACTTCGCCCCCGGCTCG  
CAGCTGCCCATCCTGCTCTATGACAGCGACGCCAAGACAGACACGCTGCAGATCGAGGAC  
TTTCTGGAGGAGACGCTGGGGCCGCCGACTTCCCCAGCCTGGCGCCTCGTTACAGGGAG  
TCCAACACCGCCGGCAACGACGTTTTCCACAAGTTCTCCGCGTTCATCAAGAACCCGGTG  
CCCGCGCAGGACGAAGCCCTGTACCAGCAGCTGCTGCGGCCCTCGCCAGGCTGGACAGC  
TACCTGCGCGCGCCCCTGGAGCACGAGCTGGCGGGGAGCCGACGCTGCGCGAGTCCCGC  
CGCCGCTTCTTGACGGCGACAGGCTCACGCTGGCCGACTGCAGCCTCCTGCCAAGCTG  
CACATCGTCGACACGGTGTGCGCGCACTTCCGCCAGGCGCCATCCCCGGGAGCTGCGC  
GGCGTACGCCGCTACCTGGACAGCGGATGCAGGAGAAAGAGTTCAAATACACGTGTCCG  
CACAGCGCCGAGATCCTGGCGGCTACCGGCCCGCCGTGCACCCCGCTAG
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Clone variation with respect to NM_004669.2



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004669 unedited CACCAGGCAGCTCCCACCATGGCGGAGACCAAGCTCCAGCTGTTTGTCAAGGCGAGTGAG GACGGGGAGAGCGTGGGTCACTGCCCTCCTGCCAGCGGCTTTCATGGTCTGCTCCTC AAGGGCGTACCTTTACCCCTCACCACGGTGGACACGCGCAGGTCCCCGGACGTGCTGAAG GACTTCGCCCCCGGCTCGCAGCTGCCATCCTGCTCTATGACAGCGACGCCAAGACAGAC ACGCTGCAGATCGAGGACTTTCTGGAGGAGACGCTGGGGCCGCCGACTTCCCCAGCTG GCGCTCGTTACAGGGAGTCCAACACCCGCCNGCAACGACGTTTTCCACAAGTTCTCCGCG TTCATCAAGAACCCGGTGCCCGCGCAGGACGAAGCCCTGTACCAGCAGCTGCTGCGCGCC CTCGCCAGGCTGGACAGCTACCTGCGCGCGCCCTGGAGCACGAGCTGGCGGGGAGCCG CAGCTGCGCGAGTCCCGCCGCGCTTCTGGACGGCGACAGGCTCACGCTGGCCGACTGC AGCCTCCTGCCAAGCTGCACATCGTCGACACGGTGTGCGCGCACTTCCGCCAGGCGCCC ATCCCCGCGGAGCTGCGCGGCGTACGCCGCTACCTGGACAGCGCGATGCANGAGAAAGAG TTCAAATACAGTGTCCGCACAGCGCC
Restriction Sites:	NotI-NotI
ACCN:	NM_004669
Insert Size:	900 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:	<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_004669.2</u> , <u>NP_004660.2</u>
RefSeq Size:	813 bp
RefSeq ORF:	711 bp
Locus ID:	9022
UniProt ID:	<u>O95833</u>
Cytogenetics:	9q34.3
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 3 is a member of the p64 family and is predominantly localized in the nucleus and stimulates chloride ion channel activity. In addition, this protein may participate in cellular growth control, based on its association with ERK7, a member of the MAP kinase family. [provided by RefSeq, Jul 2008]