

Product datasheet for **SC314843**

CLCN6 (NM_001286) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLCN6 (NM_001286) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLCN6
Synonyms:	CLC-6; CONRIBA
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001286, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGGGTGCAGGGGGTCTCTGTGCTGCTGCTGCAGGTGGTGTGCTGCTGCTGCGGTGAG
CGTGAGACCCGCACCCCCGAGGAGCTGACCATCCTTGGAGAAACACAGGAGGAGGAGGAT
GAGATTCCTTCCAAGGAAAGACTATGAGAGTTTGGATTATGATCGCTGTATCAATGACCCT
TACCTGGAAGTTTTGGAGACCATGGATAATAAGAAAGGTCAAGATATGAGGCGGTGAAG
TGGATGGTGGTGTGGCATTGGAGTCTGCACTGGCCTGGTGGTCTCTTTGTGGACCTT
TTTGTGCGACTCTTACCCAACCTCAAGTTCGGAGTGGTACAGACATCGGTGGAGGAGTGC
AGCCAGAAAGGCTGCCTCGCTCTGTCTCTCCTTGAACCTCCTGGGTTTTAACCTCACCTTT
GTCTTCTCGCAAGCCTCCTTGTCTCATTGAGCCGGTGGCAGCAGGTTCCGGGATACCC
GAGGTCAAATGCTATCTGAATGGCGTAAAGGTGCCAGGAATCGTCCGCTCCGGACCCTG
CTCTGCAAGGTCCTTGGAGTGTGTTCAAGTGTGGCTGGAGGGCTCTTCTGGGGAAGGAA
GGCCCCATGATCCACAGTGGTTCGGTGGTGGGAGCTGGCCTCCCTCAGTTTCAGAGCATC
TCCTTACGGAAGATCCAGTTAACTTCCCCTATTTCCGAAGCGACAGAGACAAGAGAGAC
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ACCTTGTTCAGTCTAGAGGAGGGTTCGTCTTCTGGAACCAAGGGCTCAGTGGAAAGTG
CTCTTTTGTTCATGTCTGCCACCTTACCCTCAACTTCTCCGTTCTGGGATCAGTTT
GGAAGCTGGGTTCTTCCAGCTCCCTGGATTGCTGAACCTTTGGCGAGTTAAGTGTCT
GACTCTGATAAAAAATGTCATCTCTGGACAGCTATGGATTTGGGTTTCTTCGTCGTGATG
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TACCGTATGCGAAACGTGCACCCGAAACCTAAGCTCGTCAGAGTCTTAGAGAGCCTCCT
GTGTCTCTGGTAAACCACCGTGGTGGTGTGTGGCCTCGATGGTGTAGGAGAATGCCGA
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GTGAATCAAGTATCAAGACATTTTTTTGTCCAATGATACCTACAATGACATGGCCACA
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AGCCCCGTCACTCGCCTTGTCTTCTCTATTTCTTGCTTGCATGTTGGACTTAC
GGCATTCTGTTCCAAGTGGCCTTTTTGTGCCTTCTGCTGTGTGGAGCTGCTTTTGG
CGTTTAGTTGCCAATGTCCTAAAAGCTACATTGGATTGGGCCACATCTATTCGGGGACC
TTTGCCCTGATTGGTGCAGCGGCTTTCTGGGCGGGTGGTCCGCATGACCATCAGCCTC
ACGGTCATCCTGATCGAGTCCACCAATGAGATCACCTACGGGCTCCCCATCATGGTCACA
CTGATGGTGGCCAAATGGACAGGGGACTTTTTCAATAAGGGCATTATGATATCCAGTG
GGCCTGCGAGGCGTGCCGCTTCTGGAATGGGAGACAGAGGTGAAATGGACAAGCTGAGA
GCCAGCGACATCATGGAGCCCAACCTGACCTACGTCTACCCGCACACCCGCATCCAGTCT
CTGGTGAGCATCCTGCGCACCACGGTCCACCATGCCTTCCCGGTGGTACAGAGAACCCG
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AAATCCAGCATCCTCACCCGGGCTGGCGAGCAGCGCAAACGGAGCCAGTCCATGAAGTCC
TACCCATCCAGCGAGCTACGGAACATGTGTGATGAGCACATCGCCTCTGAGGAGCCAGCC
GAGAAGGAGGACCTCTGCAGCAGATGCTGGAAGGAGATACACTCCCTACCCCAACCTA
TACCCTGACCAGTCCCCAAGTGAAGACTGGACCATGGAGGAGCGGTTCCGCCCTCGACC
TTCCACGGCCTGATCCTTCCGGTTCGAGCTTGTACCCTGCTTGTCCGAGGAGTTTGTAC
TCTGAAAGCCAGTCGAGCGCCAGCCAGCCGCGCCTCTCCTATGCCGAGATGGCCGAGGAC
TACCCGCGGTACCCCGACATCCACGACCTGGACCTGACGCTGCTCAACCCGCGCATGATC
GTGGATGTACCCCATACATGAACCTTTCGCTTTCACCGTCTCGCCCAACACCCAGCTC
TCCCAAGTCTTCAACCTGTTTCAAGATGGGCTGCGCCACCTGCCCGTGGTGAACGCT
GTGGGAGAGATCGTGGGATCATCACACGGCACAACCTCACCTATGAATTTCTGCAGGCC
CGGCTGAGGCAGCACTACCAGACCATC

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Restriction Sites: Please inquire
ACCN: NM_001286

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001286.1</u> , <u>NP_001277.1</u>
RefSeq Size:	5541 bp
RefSeq ORF:	2610 bp
Locus ID:	1185
UniProt ID:	<u>P51797</u>
Cytogenetics:	1p36.22
Domains:	CBS, voltage_CLC
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
Gene Summary:	<p>This gene encodes a member of the voltage-dependent chloride channel protein family. Members of this family can function as either chloride channels or antiporters. This protein is primarily localized to late endosomes and functions as a chloride/proton antiporter. Alternate splicing results in both coding and non-coding variants. Additional alternately spliced variants have been described but their full-length structure is unknown. [provided by RefSeq, Mar 2012]</p> <p>Transcript Variant: This variant (1) is the longest transcript and encodes the longer isoform (1). This isoform is also known as CLC-6a. 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.</p>