

Product datasheet for **SC119324**

CLIC1 (NM_001288) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLIC1 (NM_001288) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLIC1
Synonyms:	CL1C1; CLCNL1; G6; NCC27
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119324 sequence for NM_001288 edited (data generated by NextGen Sequencing)

```
ATGGCTGAAGAACAACCGCAGGTGCAATTGTTTCGTGAAGGCTGGCAGTGATGGGGCCAAG
ATTGGGAAGTCCCATTCCTCCAGAGACTGTTTCATGGTACTGTGGCTCAAGGGAGTCACC
TTCAATGTTACCACCGTTGACACAAAAGGCGGACCGAGACAGTGCAGAAAGCTGTGCCCA
GGGGGGCAGCTCCCATTCCTGCTGTATGGCACTGAAGTGACACAGACACCAACAAGATT
GAGGAATTTCTGGAGGCAGTGTGTGCCCTCCAGGTACCCCAAGCTGGCAGCTCTGAAC
CCTGAGTCCAACACAGCTGGGCTGGACATATTTGCCAAATTTTCTGCCTACATCAAGAAT
TCAAACCCAGCACTCAATGACAATCTGGAGAAGGGACTCCTGAAAGCCCTGAAGGTTTTA
GACAATTACTTAACATCCCCCTCCAGAAGAAGTGGATGAAACCAGTGTGAAGATGAA
GGTGTCTCTCAGAGGAAGTTTTTGGATGGCAACGAGCTCACCTGGCTGACTGCAACCTG
TTGCCAAAGTTACACATAGTACAGGTGGTGTGTAAGAAGTACCGGGGATTCACCATCCCC
GAGGCCTTCCGGGGAGTGCATCGGTACTTGAGCAATGCCTACGCCCGGGAAGAATTCGCT
TCCACCTGTCCAGATGATGAGGAGATCGAGCTCGCCTATGAGCAAGTGGCAAAGGCCCTC
AAATAA
```

Clone variation with respect to NM_001288.4



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001288 unedited GTGTATATTTGTATACGACTTACTATAGGGCGGCCGATTTCGGCACGAGGGTCTGATTG AGCTTGTGTTGTGCTGAAGGGACAGCCCTGGGTCTAGGGGAGAGAGTCCCTGAGTGTGAG ACCCGCTTCCCCGGTCCCAGCCCTCCCAGTTCCTCCAGGGACGGCCACTTCTGGTCC CCGACGCAACCATGGCTGAAGAACAACCGCAGGTGCAATTGTTCTGTAAGGCTGGCAGTG ATGGGGCCAAGATTGGAACTGCCATTCTCCCAGAGACTGTTTCATGGTACTGTGGCTCA AGGGAGTCACTTCAATGTTTACCACCGTTGACACCAAAAGGCGGACCGAGACAGTGCAGA AGCTGTGCCAGGGGGCAGCTCCATTCTGCTGTATGGCACTGAAGTGCACACAGACA CCAACAAGATTGAGGAATTTCTGGAGGCACTGCTGTGCCCTCCCAGGTACCCCAAGCTGG CAGCTCTGAACCCTGAGTCCAACACAGCTGGGCTGGACATATTTGCCAAATTTTCTGCTT ACATCAAGAATTCAAACCCAGCACTCAATGACAATCTGGAGAAGGGACTCCTGAAAGCCC TGAAGTTTTAGACAATTACTTAACATCCCCCTCCCAGAAGAAGTGGATGAAACCAAGT CTGAAGATGAAGGTGCTCTCACAGGAAGTTTTGGATGGCAACGAGCTCACCTGGCTG ACTGCAACCTGTTGCCAAAGTTACACATAGTACAGGTCGGTGTGTAAGAAGTACCCGGGA TTCACCTTCCCGAGGCTTTCCGGGAGTGCATCGGTACTTGAGCCATGCCACGCCCC GGAAGAATTGCTTTACCTGTCCAGATGATGGAGAGATCGAGCTCGCCTATGAGCAAG TGGCAAAGCCCCTCAATAAACCCCTTCTGGGAT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001288 unedited GAGTCGAGTTTTTTTTTTTTTTTTTATTCTGTATTTTACTGAAATATGTTGCCTA CTCATCCCACCCACAATAAAAACTGACCCAGGCCCCCATTTCTTCCCTCATCCCT CTTCCACCACCCATCCCGGAACAAGTGTCCAGGATCCCTGCCACTGGCCATTTTGG AGTGTGCCATTGGGTAGCAATGTGAAACCACCAGGGCCTTTGTGGAGAAAATGGAGGG GGTGAGGGAGTCCCAGGAGGGCTTATTGAGGGCCTTTGCCACTTGCTCATAGGCGAG CTCGATCTCCTCATCATCTGGACAGGTGGAAGCGAATTCTCCCGGGCGTAGGCATTGCT CAAGTACCGATGCACTCCCCGGAAGGCCTCGGGGATGGTGAATCCCCGCTACTTCTTACA CACCACCTGACTATGTGTAACCTTTGGCAACAGGTTGAGTCCAGCCAGGGTGAGCTCGTT GCCATCCAAAACTTCTCTGAGAGACCTTCATCTTCCAGCACTGGTTTCATCCACTCC TTCTGGGAGGGGGGATGNTAAGTAAATTGTCTAACACCTTAAGGCTTTCCAGGAGTCCCT CTCCAAATTGGCATTGAGTGTGGGTTTCAATTTGAAATGTAAGCGAAAATCTGGCCA ATATGTCCACCCCAATTGTTGGACTAAGGGTTCAAGCTTCCACCTTGGGGTACCCTGG AAGGCACAAACCTTGCTCCAAAATTCTCAATTTGCGGGGGTTGGGGCACCTCATGGCT CCCAGAGGAATGGGAGGTTGCCCCCTGGGCCACACTCCGCCCTTGTGTTTGGTTTCTTTG GGGGAACCGCGGCACACCTAAGGCGGCCCTTCGCCACAGACCATGAAAGAGTTTT GGTATATGGTACAGCTCATTGGGCCACCTGGCGCCTTATTAATGACCCGCGGGC GCCGCCACCTTGCCGATCCCGCACCATTATCGACCCCTTTGAACCCCGGGGCTGT CCCCAGGCGCATTCCTCCCGATCGCACCCCTTACTACT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_001288
Insert Size:	1210 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_001288.4](#), [NP_001279.2](#)

RefSeq Size: 1265 bp

RefSeq ORF: 726 bp

Locus ID: 1192

UniProt ID: [O00299](#)

Cytogenetics: 6p21.33

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 1 is a member of the p64 family; the protein localizes principally to the cell nucleus and exhibits both nuclear and plasma membrane chloride ion channel activity. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) has an alternate exon in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.