

Product datasheet for **SC123966**

CLCA4 (NM_012128) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLCA4 (NM_012128) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLCA4
Synonyms:	CaCC; CaCC2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_012128 edited
AGCCAGGAATAACTAGAGAGGAACAATGGGGTTATTCAGAGGTTTTGTTTTCTCTTAGT
TCTGTGCCTGCTGCACCAGTCAAATACTTCCTTCATTAAGCTGAATAATAATGGCTTTGA
AGATATTGTCATTGTTATAGATCCTAGTGTGCCAGAAGATGAAAAATAATTGAACAAAT
AGAGGATATGGTGACTACAGCTTCTACGTACCTGTTTGAAGCCACAGAAAAAGATTTTT
TTTTCAAAAATGTATCTATATTAATTCCTGAGAATTGGAAGGAAAACTCCTCAGTACAAAAG
GCCAAAACATGAAAACATAAACATGCTGATGTTATAGTTGCACCACCTACACTCCCAGG
TAGAGATGAACCATACACCAAGCAGTTCACAGAATGTGGAGAGAAAGGCGAATACATTCA
CTTCACCCCTGACCTTCTACTTGGAAAAAACAAAATGAATATGGACCACCAGGCAAAC
GTTTGTCCATGAGTGGGCTCACCTCCGGTGGGAGTGTGGATGAGTACAATGAAGATCA
GCCTTTCTACCGTCTAAGTCAAAAAAATCGAAGCAACAAGGTGTTCCGCAGGTATCTC
TGGTAGAAATAGAGTTTATAAGTGTCAAGGAGGCAGCTGTCTTAGTAGAGCATGCAGAAT
TGATTCTACAACAAAACGTATGGAAAAGATTGTCAATTCCTTCTGATAAAGTACAAAAC
AGAAAAAGCATCCATAATGTTTATGCAAAGTATTGATTCTGTTGTTGAATTTTGTAAACGA
AAAAACCCATAATCAAGAAGCTCCAAGCCTACAAAACATAAAGTGCAATTTTAGAAGTAC
ATGGGAGGTGATTAGCAATTCGAGGATTTTAAAAACCCATACCCATGGTGACACCACC
TCCTCCACCTGTCTTCTCATTGCTGAAGATCCGTCAAAGAATTGTGTGCTTAGTCTTGA
TAAGTCTGGAAGCATGGGGGTAAGGACCGCCTAAATCGAATGAATCAAGCAGCAAAAACA
TTTCTGCTGCAGACTGTTGAAAATGGATCCTGGGTGGGATGGTTCACCTTTGATAGTAC
TGCCACTATTGTAATAAGCTAATCCAAATAAAAAGCAGTGATGAAAGAAACACACTCAT
GGCAGGATTACCTACATATCCTCTGGGAGAACTTCCATCTGCTCTGGAATTAATATGC
ATTTACAGGTGATTGGAGAGCTACATTCCTCAACTCGATGGATCCGAAGTACTGCTGCTGAC
TGATGGGAGGATAAAGTCAAGTCTTGTATTGATGAAGTGAACAAAGTGGGCCCAT
TGTTTCATTTTATTGCTTTGGGAAGAGCTGCTGATGAAGCAGTAATAGAGATGAGCAAGAT
AACAGGAGGAAGTCATTTTTATGTTTCAGATGAAGCTCAGAACAATGGCCTCATTGATGC
TTTTGGGGCTCTTACATCAGGAAATACTGATCTCTCCAGAAGTCCCTTCAGCTCGAAAG
TAAGGGATTAACACTGAATAGTAATGCCTGGATGAACGACTGTCATAATTGATAGTAC



[View online »](#)

```

AGTGGGAAAGGACACGTTCTTTCTCATCACATGGAACAGTCTGCCTCCCAGTATTTCTCT
CTGGGATCCCAGTGGAACAATAATGAAAAATTTACAGTGGATGCAACTTCCAAAATGGC
CTATCTCAGTATTCAGGAAGCTGCAAAGGTGGCACTTGGGCATACAATCTTCAAGCCAA
AGCGAACCCAGAAACATTAATACTATTACAGTAACCTCTCGAGCAGCAAATCTTCTGTGCC
TCCAATCACAGTGAATGCTAAAAATGAATAAGGACGTAAACAGTTTCCCAGCCCAATGAT
TGTTTACGCAGAAATTCTACAAGGATATGTACCTGTTCTTGGAGCCAATGTGACTGCTTT
CATTGAATCACAGAATGGACATACAGAAGTTTTGGAACTTTTGGATAATGGTGCAGGGCGC
TGATTCTTTCAAGAATGATGGAGTCTACTCCAGGTATTTTACAGCATATACAGAAAAATGG
CAGATATAGCTTAAAAAGTTCGGGCTCATGGAGGAGCAAACACTGCCAGGCTAAAAATTACG
GCCTCCACTGAATAGAGCCGCGTACATACCAGGCTGGGTAGTGAACGGGGAAATTGAAGC
AAACCCGCCAAGACCTGAAATTGATGAGGATACTCAGACCACCTTGGAGGATTTCAAGCCG
AACAGCATCCGGAGGTGCATTTGTGGTATCACAAGTCCCAAGCCTTCCCTTGCTGACCA
ATACCCACCAAGTCAAATCACAGACCTTGATGCCACAGTTCATGAGGATAAGATTATTCT
TACATGGACAGCACCAGGAGATAATTTTGTGTTGGAAAAGTTCAACGTTATATCATAAG
AATAAGTGAAGTATTCTTGATCTAAGAGACAGTTTTGATGATGCTCTTCAAGTAAATAC
TACTGATCTGTCCAAAAGGAGGCCAACTCCAAGGAAAAGCTTTGCATTTAAACCAGAAAA
TATCTCAGAAGAAAAATGCAACCCACATATTTATTGCCATTAAGTATAGATAAAAGCAA
TTTGACATCAAAAGTATCCAACATTGCACAAGTAACTTTGTTTATCCCTCAAGCAAATCC
TGATGACATTGATCCTACACCTACTCCTACTCCTACTCCTACTCCTGATAAAAGTCATAA
TTCTGGAGTTAATATTTCTACGCTGGTATTGTCTGTGATTGGGTCTGTTGTAATTGTTAA
CTTTATTTAAGTACCACATTTGAACCTTAACGAAGAAAAAAATCTTCAAGTAGACCTA
GAAGAGAGTTTTAAAAACAACAAATGTAAGTAAAGGATATTTCTGAATCTTAAATTC
ATCCCATGTGTGATCATAAACTCATAAAAAATAATTTAAGATGTCGGAAAAGGATACTTT
GATTAATAAAAAACACTCATGGATATGTA AAAACTGTCAAGATTAATAATTAAGTTTTT
ATTTATTTGTTATTTTATTTGTAAGAAATAGTGATGAACAAAGATCCTTTTTTCACTGA
TACCTGGTGTATATTATTTGATGCAACAGTTTTCTGAAATGATATTTCAAATTGCATCA
AGAAATTAATAATCATCTATCTGAGTAGTCAAAATACAAGTAAAGGAGAGCAAATAAACAA
CATTTGGGAAAAAAAAAAAAAAAAAAAAAAAAAAAA

```

5' Read Nucleotide Sequence:

```

>OriGene 5' read for NM_012128 unedited
GTAATACGACTACTATAGGGCGGCCGAATTCGGCACCAAGGAGCCANNGAATACTAGA
GAGGAACAATGGGGTTATTCAGAGGTTTTGTTTTCTTCTAGTTCTGTGCCTGCTGCACC
AGTCAAATACTTCCTTCATTAAGCTGAATAATAATGGCTTTGAAGATATTGTCATTGTTA
TAGATCCTAGTGTGCCAGAAGATGAAAAATAATTGAACAAATAGAGGATATGGTGACTA
CAGCTTCTACGTACCTGTTTGAAGCCACAGAAAAAGATTTTTTTTCAAAAATGTATCTA
TATTAATTCCTGAGAATTGGAAGGAAAAATCCTCAGTACAAAAGGCCAAAACATGAAAACC
ATAAACATGCTGATGTTATAGTTGCACCACCTACTCCAGGTAGAGATGAACCATACA
CCAAGCAGTTCACAGAATGTGGAGAGAAAGGCGAATACATTCACCTCACCCCTGACCTTC
TACTTGGAAAAAAACAAAATGAATATGGACCACCAGGCAAAGCTTTTGTCCATGAGTGGG
CTCACCTCCGGTGGGGAGTGTGTTGATGAGTACAATGAAGAATCAGCCTTTCTACCGTGCT
AAGTCAAAAAAATCGAAACCACCAGGTGTTCCGCAAGTATCTCTCGTAGAAAAATAAAGT
TATAAGTGTCAAGGAAGCAGCTGTCTTAATTAGACCTGCCAAATGATTCTCCACCCAACT
TGTGTAATAAATGGCAATTCTTCTGNGTAAGTCCAACCGAAAAAGCTTCTTATGGTT
TTGCAAGCTATGGTC

```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_012128 unedited CACTTCCAGGCCAGGAGAGGCACTGGGGAGGGTCACAGGGATGCCACCCGGGATCTGTT CAGGAAACAGCTATGACCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTT TTTTCCCAAAGTTGTTTATTTGCTCTCCTTTACTTGTATTTTGACTACTCAGATAGATG ATTTTAATTTCTTGATGCAATTTGAAATATCATTTCAAAACTGTTGCATCAAATAATA TACAACCAGGTATCAGTATGAAAAAGGATCTTTGTTTCATCACTATTTCTTACAAAATAAAA TAACAAAATAATGAACTATTAATTTTAAATCTTGACAGTTTTTACATATCCATGAGTGT TTTTATTTAATCAAAGTATCCTTTTCCGACATCTTAAAATTATTTTTATGAGTTTATGAT CACACATGGGATGAATTTAAGATTGAGAAATATCCTTTACTTACATTGTTTTGTTTTTT AAAACCTCTCTTCTAGGTCTACTTGAAGATTTTTTTCTTCGTTAAGGTTCAAAAATGGTGGT ACTTAAAAATAAGTTAACAATTTACACAGACCCAATCACAGACATACCCGCGTAGAAATA TAACCTCAGATTATGATTTTATCCGATTAGATTAGAGTTGGAGTAGTGGGTAAAACTTTC GATTGCTTGGGATAAACAANTACTGGCAAGTGAACCTGAAGCAATGCTTTACTACCTAA AGCAAAAAGTGGGTGCATCTTCGAAATTCGG
Restriction Sites:	NotI-NotI
ACCN:	NM_012128
Insert Size:	3200 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_012128.3.
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:	NM_012128.2 , NP_036260.1
RefSeq Size:	3218 bp
RefSeq ORF:	2754 bp
Locus ID:	22802
UniProt ID:	Q14CN2
Cytogenetics:	1p22.3
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
Protein Pathways:	Olfactory transduction

Gene Summary:

The protein encoded by this gene belongs to the calcium sensitive chloride conductance protein family. To date, all members of this gene family map to the same site on chromosome 1p31-p22 and share high degrees of homology in size, sequence and predicted structure, but differ significantly in their tissue distributions. Alternative splicing results in multiple transcript variants, only one of which is thought to be protein coding. [provided by RefSeq, Dec 2008]

Transcript Variant: This variant (1) represents the longer transcript.