

Product datasheet for **SC211309**

CLCN3 (NM_173872) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CLCN3 (NM_173872) Human 3' UTR Clone
Symbol:	CLCN3
Synonyms:	CIC-3; CLC3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_173872
Insert Size:	2000 bp



[View online »](#)

Insert Sequence:

>SC211309 3'UTR clone of NM_173872

The sequence shown below is from the reference sequence of NM_173872. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
GTTTATTTGTTGAATAGCACAACTCTTTAACCTGAGGGAGTCATCTACTTTTTTTCTCTTTACAAA
AAAAGAAAGGAAATATAAAAGCCGGTTTTTGCACATGGTTTGCAAATAATGCTGGTGGAAATGGAGGA
GTTGTTTGGGAGGGAAAGGAGAGAGAAGGAAAGGAGTGAGGTATTTCCCGTCTAACAGAAAGCAGCGT
ATCAACTCCTATTGTTCTGCACTGGATGCATTCAGCTGAGGATGTGCCTGATAGTGCAGGCTTGCCT
CAACAGAGATGACAGCAGAGTCTCGAGCACCTGGCTGTTGCTCCAACATTGCAAAGACACATTATCA
GTCCCTATTTCTAGAGGGATTACTTTGAATTGAGCCATCTATAAACTGCAAGGTCTTGCCTTTTTTT
TAATCAAACTGTTCTGTTAATTCATGAATTGTATAGTTAAGCATTACCTTTCTACATTCCAGAAGAG
CCTTTATTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT
CGGTGTATCCTTTTGAAGCAGTCTTTCTCATATTGAGATGTACTGTGATTTTACTGAGGTTTCATCAC
AAGAAGGGAGTGTTCCTTGCCATTAACCATGTAGTTTGTACCATCACTAAATGCTTGGAAACAGTACA
CATGCACCACAACAAAGGCTCATCAAACAGGTAAGTCTCGAAGGAAGCGAGAACGAAATCTCTCATTG
TGTGCCGTGTGGCTCAAAACCGAAAACAATGAAGCTTGGTTTTAAAGGATAAAGTTTTCTTTTTGTTT
TCCTCTCAGACTTTATGGATAATGTGACCGGTCTTATGCAAATTTTCTATTTCTAAACTACTACTAT
GATATACAAGTGTGTTGAGCATAATTAATAAAATGCTGCTGCTTTGACAGTAAAGAGAAGGAAGTAT
TCTGATTAGCTGTATCTGGTATTAATTGCATGTTAAACACTGGAATTTTTAAAATTGAAATTAGATCA
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CTAAATGTATATTTTTTTCTTAAAAATTTACCATTCTTATTTATTTTTATGGATTAATAATTTATAA
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GACTTACAAATACAGAGATATGAACAAAGTTTACAGTGGGAACAAAGGTTAAAAAAGGTTGTGGTTC
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TCTGACCTGTCCATTTTGACCCATTAACGTGAAAGTTGAAAACTACATTAACCTGAAAGTTGAAAAAC
TACATTACTTTGGAGAATAAAACCGAAAGTTCGTGTATACCTTCTAAAAAATAACCAAAAAAT
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TAGGTTACGTCCATATTTGAAGTGGTCACTGATGTTTGAACATTTTTTGCAGGATGAGTAAAAATGCA
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AAAGGCAGTTTACTCAAAGGACTGGGCTAAATATTCTGTAATTATGCATTTTTGATAGGAAAATGAAT
TTTTGCAAACAGACATTTCTTTTTTTTTGGCTGGAGTGCAGTGGGGCATGGTCTTGGCTCACTGCAGC
GTTGACCACCTGGGCTCAAGTGAATACTCCCGCCTCAGCCACCCAAGTAGCTGGCACTACGGGCACACGC
CACCATGCCAGCTAATTTTTTTGTATTTTAGTAGAGATGGGGTTTTGCCATGCTGCCAGGCTGGT
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
    
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Restriction Sites:

SgfI-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq:

[NM_173872.4](#)

Summary:

This gene encodes a member of the voltage-gated chloride channel (ClC) family. The encoded protein is present in all cell types and localized in plasma membranes and in intracellular vesicles. It is a multi-pass membrane protein which contains a ClC domain and two additional C-terminal CBS (cystathionine beta-synthase) domains. The ClC domain catalyzes the selective flow of Cl⁻ ions across cell membranes, and the CBS domain may have a regulatory function. This protein plays a role in both acidification and transmitter loading of GABAergic synaptic vesicles, and in smooth muscle cell activation and neointima formation. This protein is required for lysophosphatidic acid (LPA)-activated Cl⁻ current activity and fibroblast-to-myofibroblast differentiation. The protein activity is regulated by Ca²⁺/calmodulin-dependent protein kinase II (CaMKII) in glioma cells. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Aug 2011]

Locus ID:

1182

MW:

77.1