

Product datasheet for **SC211826**

CLCN3 (NM_001829) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CLCN3 (NM_001829) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CLCN3
Synonyms:	CIC-3; CLC3
ACCN:	NM_001829
Insert Size:	2000 bp



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Insert Sequence: >SC211826 3'UTR clone of NM_001829
 The sequence shown below is from the reference sequence of NM_001829. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAAGACCCCGCTTCAATAATGTTCAACTGAATCTCACAGATGAGGAGAGAGAAGAAACGGAAGAGGAAG
TTTATTTGTTGAATAGCACAACTCTTTAACCTGAGGGAGTCATCTACTTTTTTTCTCCTTTACAAAA
AAAGAAAGGAAATATAAAGCCGGGTTTTTGCAACATGGTTTGCAATAATGCTGGTGGAATGGAGGAG
TTGTTTGGGGAGGAAAGGAGAGAGAAGGAAAGGAGTGGATTTCCCGTCTAACAGAAAGCAGCGTA
TCAACTCTATTGTTCTGCACTGGATGCATTAGCTGAGGATGTGCTGATAGTGCAGGCTTGCGCCTC
AACAGAGATGACAGCAGAGTCTCGAGCACCTGGCCTGTGCTCCAACATTGCAAAGACACATTATCAG
TCCCTATTTCTAGAGGGATTACTTTGAATTGAGCCATCTATAAACTGCAAGGCTTGGCCCTTTTTTT
AATCAAACTGTTCTGTTAATTCAATGAATTGTATAGTTAAGCATTACCTTTCTACATTCCAGAAGAGC
CTTATTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTACTGAGCTGTAAACAAAGCCTTTAAATC
GGTGTATCCTTTTGAAGCAGTCCTTTCTCATATTGAGATGTAAGTGTGATTTTACTGAGGTTTCATCACA
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CTGATTAGCTGTATCTGGTATTAATTGCATGTTAAAACACTGGAATTTTTAAAATTGAAATTAGATCAG
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ATACAGATCAGTTAATATTGCACCTAAGTAATTTTACCTTTTTAATGTGATTTTTATAGAATAATTCAG
ACTTACAAATACAGAGATATGAACAAAGTTTACAGTGGGAACAAAGGTTTAAAAAAGGTTGTGGTTCT
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AAGGCAGTTTACTCAAAGGACTGGGCTAAATATTCTGTAATTATGCATTTTTGATAGGAAAATGAAATT
TTTGCAACAGACATTTCTTTTTTTTTGGCTGGAGTGCAGTGGGGCATGGTCTTGGCTCACTGCAGCG
TTGACCACCTGGGCTCAAGTGATACTCCCGCTCAGCCACCCAAGTAGCTGGCACTACGGGCACACGC
ACGCGTAAGCGGCCCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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_001829.4](#)

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:

77.4