

Product datasheet for **RC202726**

CLIC3 (NM_004669) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLIC3 (NM_004669) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CLIC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202726 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGCGGAGACCAAGCTCCAGCTGTTTGTCAAGGCGAGTGAGGACGGGGAGAGCGTGGGTCAGTGGCCCTCCTGCCAGCGGCTCTTCATGGTCCTGCTCCTCAAGGGCGTACCTTTCACCCTCACCACGGTGGACACGCGCAGGTCCCCGGACGTGCTGAAGGACTTCGCCCGGGCTCGCAGCTGCCATCCTGCTCTATGACAGCGACGCCAAGACAGACACGCTGCAGATCGAGGACTTTCTGGAGGAGACGCTGGGGCCGCCGACTTCCCCAGCCTGGCGCCTCGTTACAGGGAGTCCAACACCGCCGGCAACGACGTTTTCCACAAGTTCCCGGTTTCATCAAGAACCCGGTGCCCGCGCAGGACGAAGCCCTGTACCAGCAGCTGCTGCGCGCCCTCGCCAGGCTGGACAGCTACCTGCGCGCGCCCTGGAGCACGAGCTGGCGGGGAGCCGAGCTGCGCGAGTCCCGCCCGCGCTTCCGGACGGCGACAGGCTCACGCTGGCCGACTGCAGCCTCCTGCCAAGCTGCACATCGTCGACACGGTGTGCGCGCACTTCCGCCAGGCGCCCATCCCCGGGAGCTGCGCGGCGTACGCCGCTACCTGGACAGCGCGATGCAGGAGAAAGAGTTCAAATACACGTGTCCGCACAGCGCCGAGATCCTGGCGGCCTACCGGCCCGCGTGCACCCCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC202726 protein sequence
 Red=Cloning site Green=Tags(s)

MAETKLQLFVKASEDGESVGHCPSCQRLFMVLLKGVPFLLTTVDTRRSPDVLKDFAPGSQLPILLYDSD
 AKTDTLQIEDFLEETLGGPDFPSLAPRYRESNTAGNDVFHKFSAFIKNPVPAQDEALYQQLLRALARLDS
 YLRAPLEHELAGEPQLRESRRRFLDGDRLTLADCSLLPKLHIVDTVCAHFRQAPIPAELRGVRRYLDLSDAM
 QEKEFKYTCPHSAEILAAYRPAVHPR

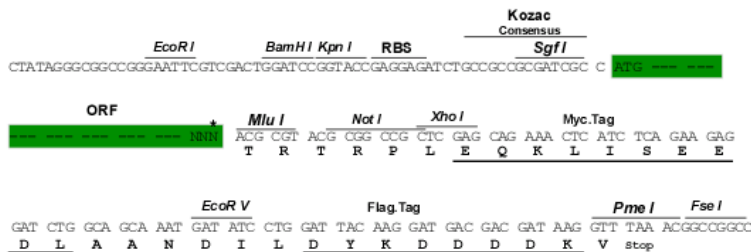
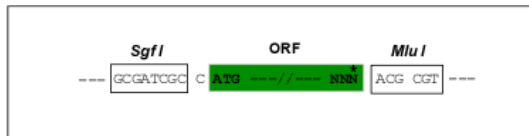
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6577_b06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_004669

ORF Size: 708 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_004669.3](#)

RefSeq Size: 813 bp

RefSeq ORF: 711 bp

Locus ID: 9022

UniProt ID: [O95833](#)

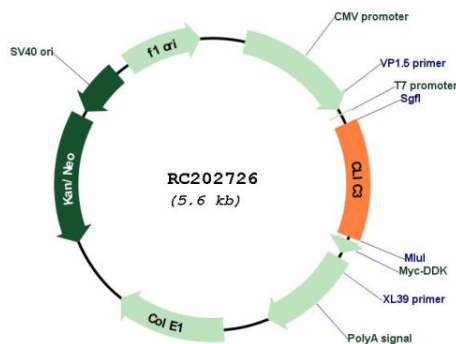
Cytogenetics: 9q34.3

Protein Families: Druggable Genome, Ion Channels: Other

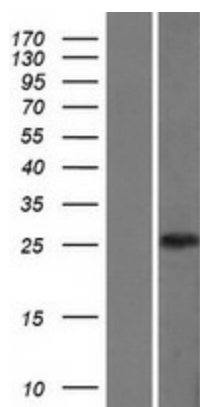
MW: 26.6 kDa

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 3 is a member of the p64 family and is predominantly localized in the nucleus and stimulates chloride ion channel activity. In addition, this protein may participate in cellular growth control, based on its association with ERK7, a member of the MAP kinase family. [provided by RefSeq, Jul 2008]

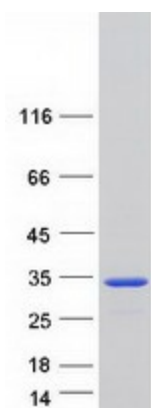
Product images:



Circular map for RC202726



Western blot validation of overexpression lysate (Cat# [LY417836]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202726 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CLIC3 protein (Cat# [TP302726]). The protein was produced from HEK293T cells transfected with CLIC3 cDNA clone (Cat# RC202726) using MegaTran 2.0 (Cat# [TT210002]).