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Product datasheet for RC236857

CLIC1 (NM_001287594) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLIC1 (NM_001287594) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CLIC1
Synonyms:	CL1C1; CLCNL1; G6; NCC27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC236857 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

RCATGGCTGAAGAACAACCGCAGGTCGAATTGTTCGTGAAGGCTGGCAGTGATGGGGCCAAGATTGGGAA
CTGCCCATTCTCCCAGAGACTGTTCATGGTACTGTGGCTCAAGGGAGTCACCTTCAATGTTACCACCGTT
GACACCAAAAGGCGGACCGAGACAGTGCAGAAGCTGTGCCCAGGGGGGCAGCTCCCATTCCTGCTGTATG
GCACTGAAGTGCACACAGACACCAACAAGATTGAGGAATTTCTGGAGGCAGTGCTGTGCCCTCCCAGGTA
CCCCAAGCTGGCAGCTCTGAACCCTGAGTCCAACACAGCTGGGCTGGACATATTTGCCAAATTTTCTGCC
TACATCAAGAATTCAAACCCAGCACTCAATGACAATCTGGAGAAGGGACTCCTGAAAGCCCTGAAGGTTT
TAGACAATTACTTAACATCCCCCCTCCCAGAAGAAGTGGATGAAACCAGTGCTGAAGATGAAGGTGTCTC
TCAGAGGAAGTTTTTGGATGGCAACGAGCTCACCCTGGCTGACTGCAACCTGTTGCCAAAGTTACACATA
GTACAGGTGGTGTGTAAGAAGTACCGGGGATTCACCATCCCCGAGGCCTTCCGGGGAGTGCATCGGTACT
TGAGCAATGCCTACGCCCGGGAAGAATTCGCTTCCACCTGTCCAGATGATGAGGAGATCGAGCTCGCCTA
TGAGCAAGTGGCAAAGGCCCTCAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC236857 protein sequence
Red=Cloning site Green=Tags(s)

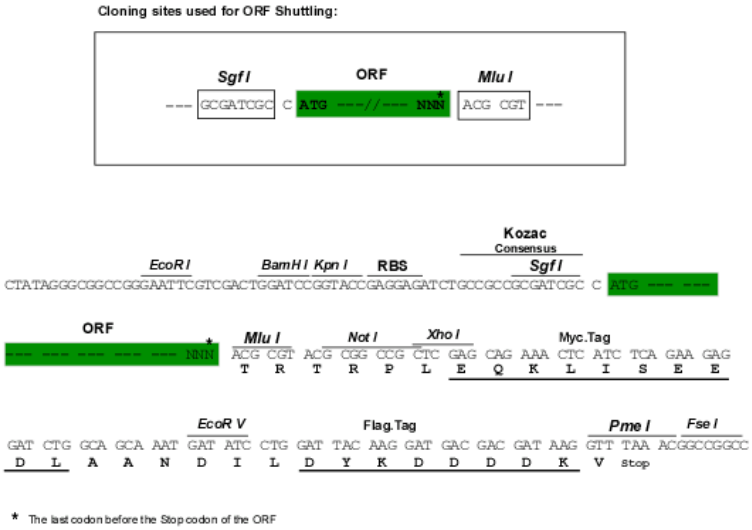
XWLKNNRRSNCS*RLAVMGPRLGTAHSPRDCSWYCGSRESPSMLPPLTPKGGPRQCRSCAQGGSSHSCCM
ALKCTQTPTRLRNFWRQCCALPGTPSWQL*TLSPTQLGWTYLPNFLPTSRIQTQHSMTIWRRDS*KP*RF
*TIT*HPPSQKKWMKPVLKMKVSLRGSFWMATSSPWLTATCCQSYT*YRWCVRSTGDSPSPRPSGECIGT
*AMPTPGKNSLPPVQMMRRSSSPMSKWQRPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6106_g02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001287594

ORF Size: 723 bp

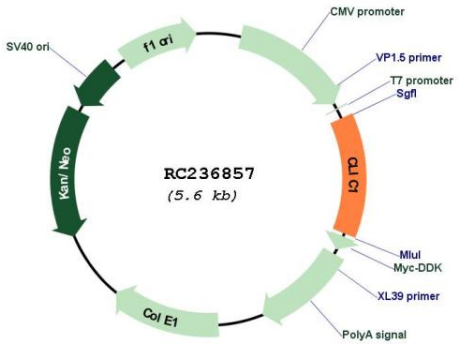
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_001287594.1, NP_001274523.1
RefSeq Size:	1111 bp
RefSeq ORF:	726 bp
Locus ID:	1192
UniProt ID:	O00299
Cytogenetics:	6p21.33
Protein Families:	Druggable Genome, Ion Channels: Other
MW:	26.9 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 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]

Product images:



Circular map for RC236857