

Product datasheet for **RG201893**

CLIC4 (NM_013943) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLIC4 (NM_013943) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CLIC4
Synonyms:	CLIC4L; H1; huH1; MTCLIC; p64H1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201893 representing NM_013943 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGTTGTCGATGCCGCTGAATGGGCTGAAGGAGGAGGACAAAGAGCCCTCATCGAGCTCTTCGTCA
 AGGCTGGCAGTGATGGTGAAGCATAGGAACTGCCCTTTCCAGAGGCTCTTCATGATTCTTTGGCT
 CAAAGGAGTTGTATTTAGTGTGACGACTGTTGACCTGAAAGGAAGCCAGCAGACCTGCAGAACTTGGCT
 CCCGGGACCCACCCACCATTTATACTTTCAACAGTGAAGTCAAAACGGATGTAATAAGATTGAGGAAT
 TTCTTGAAGAAGTCTTATGCCCTCCAAGTACTTAAAGCTTTACCAAAACACCCAGAATCAAATACTGC
 TGGAAATGGACATCTTTGCCAAATTCTCTGCATATCAAGAATTCAAGGCCAGAGGCTAATGAAGCACTG
 GAGAGGGGTCTCCTGAAAACCTGCAGAACTGGATGAATATCTGAATTCTCCTCTCCCTGATGAAATTG
 ATGAAAATAGTATGGAGGACATAAAGTTTTCTACACGTAATTTCTGGATGGCAATGAAATGACATTAGC
 TGATTGCAACCTGCTGCCAACTGCATATTGTCAAGGTGGTGGCAAAAAATATCGCAACTTTGATATT
 CCAAAAGAAATGACTGGCATCTGGAGATACCTAATAATGCATACAGTAGGGACGAGTTACCAATACCT
 GTCCAGTGATAAGGAGGTTGAAATAGCATATAGTGATGTAGCCAAAAGACTACCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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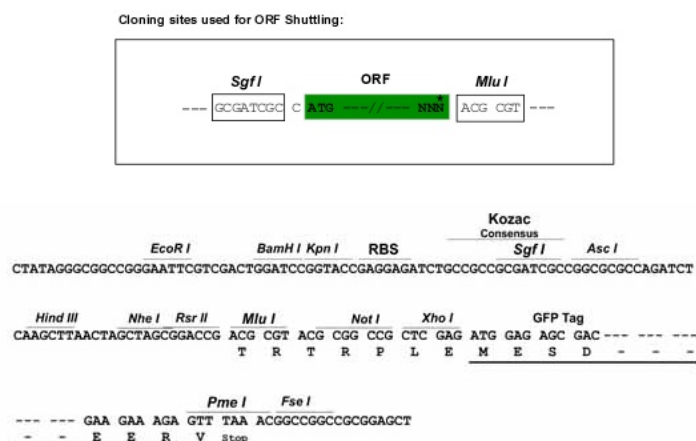
Protein Sequence: >RG201893 representing NM_013943
 Red=Cloning site Green=Tags(s)

MALSMPLNGLKEEDKEPLIELFVKAGSDGESIGNCPFSQRLFMILWLKGVVSVTTVDLKRKPADLQNLAPGTHPPFITFNSVKTVDNKKIEEFLEEVLCPPKYLKLSPKHPESNTAGMDIFAKFSAYIKNSRPEANEALERGLLKTQLKLEDEYLNPLPDEIDENSMEDIKFSTRKFLDGNEMTLADCNLLPKLHIVKVAVAKYRNFDIPKEMTGIWRYLTNAYSRDEFTNTCPSDKEVEIAYSDDVAKRLTK

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013943

ORF Size: 759 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_013943.3](#)

RefSeq Size: 4318 bp

RefSeq ORF: 762 bp

Locus ID: 25932

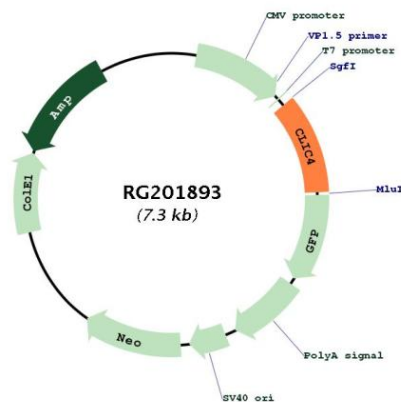
UniProt ID: [Q9Y696](#)

Cytogenetics: 1p36.11

Protein Families: Druggable Genome, Ion Channels: Other

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 4 (CLIC4) protein, encoded by the CLIC4 gene, is a member of the p64 family; the gene is expressed in many tissues and exhibits a intracellular vesicular pattern in Panc-1 cells (pancreatic cancer cells). [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG201893