

CLIC4 cDNA

Catalog Number: ATGD0228

PRODUCT INFORMATION

Catalog number

ATGD0228

Product type

cDNA

Species

Human

NCBI Accession No.

NP_039234.1

Alternative Names

CLIC4L, H1, huH1, MTCLIC, p64H1

mRNA Refseq

NM_013943.2

OMIM

606536

Chromosome location

1p36.11

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

762bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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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).

DATA

Sequence nucleotides

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ATGGCGTTGTCGATGCCGCTGAATGGGCTGAAGGAGGAGGACAAAGAGCCCCTCATCGAGCTCTTCGTCAAGGCTGGCAG
TGATGGTGAAAGCATAGGAAACTGCCCTTTTCCAGAGGCTCTTCATGATTCTTTGGCTCAAAGGAGTTGTATTTAGTGTG
ACGACTGTTGACCTGAAAAGGAAGCCAGCAGACCTGCAGAACTTGGCTCCCGGGACCCACCCACCATTTATAACTTTCAACA
GTGAAGTCAAAACGGATGTAATAAGATTGAGGAATTTCTTGAAGAAGTCTTATGCCCTCCAAGTACTTAAAGCTTTACCA
AAACACCCAGAATCAAATACTGCTGGAATGGACATCTTTGCCAAATTCTCTGCATATATCAAGAATTCAAGGCCAGAGGCTA
ATGAAGCACTGGAGAGGGGTCTCCTGAAAACCCTGCAGAACTGGATGAATATCTGAATTCTCCTCTCCCTGATGAAATTGA
TGAAAATAGTATGGAGGACATAAAGTTTTCTACACGTAAATTTCTGGATGGCAATGAAATGACATTAGCTGATTGCAACCTGC
TGCCCAAACCTGCATATTGTCAAGGTGGTGGCCAAAAAATATCGCAACTTTGATATTCCAAAAGAAATGACTGGCATCTGGAG
ATACCTAACTAATGCATACAGTAGGGACGAGTTCACCAATACCTGTCCCAGTGATAAGGAGGTTGAAATAGCATATAGTGAT
GTAGCCAAAAGACTCACCAAGTAA
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Transaction Sequence

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MALSMPLNGL KEEDKEPLIE LFKAGSDGE SIGNCPFSQR LFMILWLKGV VFSVTTVDLK RKPADLQNLA PGTHPPFITF
NSEVKTDVNK IEEFLEEVLC PPKYLKLSPK HPESNTAGMD IFAKFSAYIK NSRPEANEAL ERLLKTLQK LDEYLNSPLP
DEIDENSMED IKFSTRKFLD GNEMTLADCN LLPKLHIVKV VAKKYRNFDI PKEMTGIWRY LTNAYSRDEF TNTCPSDKEV
EIAYSDVAKR LTK
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