

Product datasheet for **RC234960**

CLCN6 (NM_001256959) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLCN6 (NM_001256959) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CLCN6
Synonyms:	CLC-6; CONRIBA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC234960 representing NM_001256959
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGGTGCAGGGGTCTCTGTGCTGCTGCTGCAGGTGGTGTGCTGCTGCGGTGAGCGTGAGACCC
 GCACCCCGAGGAGCTGACCATCCTTGGAGAAACACAGGAGGAGGAGGATTGAGATTCTTCCAAGGAAAGA
 CTATGAGAAAGGTCGAAGATATGAGCGGTGAAGTGGATGGTGGTGTGGCCATTGGAGTCTGCACTGGC
 CTGGTGGGTCTCTTTGTGGACTTTTTGTGCGACTCTTACCCAACTCAAGTTCGGAGTGGTACAGACAT
 CGGTGGAGGAGTGCAGCCAGAAAGGCTGCCTCGCTCTGTCTCTCCTTGAAGTCTGGGTTTTAACCTCAC
 CTTTGTCTTCTGGCAAGCCTCCTTGTCTCATTGAGCCGGTGGCAGCAGGTTCCGGGATACCCGAGGTC
 AAATGCTATCTGAATGGCGTAAAGGTGCCAGGAATCGTCCGTCTCCGACCCTGCTCTGCAAGGTCCTTG
 GAGTGTGTTTCAAGTGGCTGGAGGCTCTTCTGGGGAAGGAAGGCCCATGATCCACAGTGGTTCGGT
 GGTGGGAGCTGGCTCCCTCAGTTTCAGAGCATCTCCTTACGGAAGATCCAGTTAACTTCCCCTATTTT
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 CGCCAATCGGGGTACCTTGTTCAGTCTAGAGGAGGGTTCGTCCTTCTGGAACCAAGGGCTCACGTGGAA
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 TGGGGTTCCTTCCAGCTCCCTGGATTGCTGAACTTGGCGAGTTAAGTGTCTGACTCTGATAAAAAAT
 GTCATCTCTGGACAGCTATGGATTTGGGTTTCTCGTGTGATGGGGGTGATTGGGGGCTCCTGGGAGC
 CACATTAAGTGTCTGAACAAGAGGCTTGAAGTACCGTATGCGAAACGTGCACCCGAAACCTAAGCTC
 GTCAGAGTCTTAGAGAGCCTCCTTGTGTCTCTGGTAACACCCTGGTGGTGGTGGTGGTGGTGGTGGT
 TAGGAGAATGCCACAGATGCCTCTTCCAGTCAAAATCGGTAATGACTCATTCCAGCTCCAGTCCACAGA
 AGATGTGAATCAAGTATCAAGACATTTTTTTGTCCCAATGATACCTACAATGACATGGCCACACTCTTC
 TCAACCCGACAGGAGTCTGCCATCCTCCAGCTTCTCCACCAGGATGGTACTTTTACGCCCCGTCACTCTGG
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 TTGGGCCACATCTATTCGGGACCTTTGCCCTGATTGGTGCAGCGGCTTCTTGGCGGGGTGGTCCGCA
 TGACCATCAGCCTCACGGTCATCTGATCGAGTCCACCAATGAGATCACCTACGGCTCCCCATCATGGT
 CACACTGATGGTGCCAAATGGACAGGGGACTTTTTCAATAAGGGCATTATGATATCCAGTGGGCTG
 CGAGGCGTGCCGCTTCTGGAATGGGAGACAGAGGTGGAATGGACAAGCTGAGAGCCAGCGACATCATGG
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 CGCTGTGGGAGAGATCGTGGGATCATCACACGGCACAACCTCACCTATGAATTTCTGCAGGCCGGCTG
 AGGCAGCACTACCAGACCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC234960 representing NM_001256959
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MAGCRGSLCCCCRWCCCGERETRTPEELTILGETQEEDEILPRKDYEKGRRYEAVKWMVVAIGVCTG
 LVGLFVDFVRLFTQLKFGVVQTSVEECSQKGLALSLELLGFNLTFVFLASLLVLIIEPVAAGSGIPEV
 KCYLNGVKVPGIVRLRTLCKVLGVLFSVAGGLFVGKEGPMIHSVVGAGLPGFQSI SLRKIQFNFPYF
 RSDRDKRDFVSAGAAAGVAAAFGAPIGGTLFSLEEGSSFVNQGLTWKVLFCMSATFTLNFRSGIQFGS
 WGSFQLPGLLNFGFEFKCSDSDKKCHLWTAMDLGFFVVMGVIIGLLGATFNCLNKRLAKYMRNVHPKPL
 VRVLESLLVSLVTVVVFVASMVLGECRQMSSSSQIGNDSFQLQVTEDEVNSSIKTFFCPNDTYNDMATLF
 FNPQESAILQLFHQDGTFSVPTLALFFVLYLLACWTYGISVPSGLFVPSLLCGAAFGRLLVANVLKSYIG
 LGHIYSGTFALIGAAAFLLGGVVRMTISLTVILIESTNEITYGLPIMVTLMAKWTGDFFNKGIYDIHVGL
 RGVPLLEWETEVEMDKLRASDIMENLTYVYPHTRIQSLVILRTTVHHAFFVVTENRGNEKEFMKGNQL
 ISNNIKFKSSILTRAGEQRKRSQSMKSYPSSELNMCDEHIASEEPAEKEDLLQQMLERRYTPYNLYP
 DQSPSEDWTEERFRPLTFHGLILRSQVTLVLRGVCYSESQSSASQPRLSYAEMAEDYPRYPDIHDLDL
 TLLNPRMIVDTPYMNPSPFTVSPNTHVSQVFNLFRMTGLRHLPVVNAVGEIVGII TRHNLTYEFLQARL
 RQHYQTI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

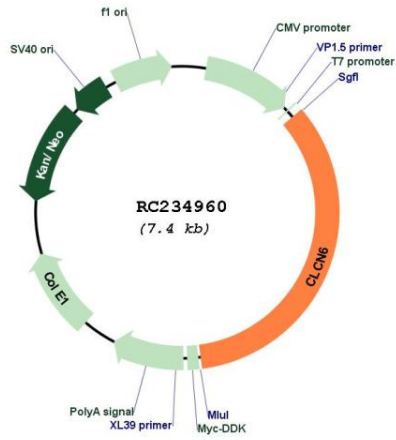
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_001256959
ORF Size:	2541 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:	<ol style="list-style-type: none">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_001256959.1 , NP_001243888.1
RefSeq Size:	5647 bp
RefSeq ORF:	2544 bp
Locus ID:	1185
UniProt ID:	P51797
Cytogenetics:	1p36.22
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
MW:	95 kDa
Gene Summary:	This gene encodes a member of the voltage-dependent chloride channel protein family. Members of this family can function as either chloride channels or antiporters. This protein is primarily localized to late endosomes and functions as a chloride/proton antiporter. Alternate splicing results in both coding and non-coding variants. Additional alternately spliced variants have been described but their full-length structure is unknown. [provided by RefSeq, Mar 2012]

Product images:



Circular map for RC234960