

Product datasheet for SC308816

CLCN6 (NM_021736) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLCN6 (NM_021736) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLCN6
Synonyms:	CLC-6; KIAA0046
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308816 representing NM_021736. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGGGTGCAGGGGGTCTCTGTGCTGCTGCTGCAGGTGGTGTGCTGCTGCGGTGAGCGTGAGACC
CGCACCCCGAGGAGCTGACCATCCTTGGAGAAACACAGGAGGAGGATGAGATTCTTCCAAGGAAA
GACTATGAGAGTTTGATTATGATCGTGTATCAATGACCCTTACCTGGAAGTTTGGAGACCATGGAT
AATAAGAAAGGTGAAGATATGAGGCGGTGAAGTGGATGGTGGTGTGGCCATTGGAGTCTGCACTGGC
CTGGTGGGTCTCTTTGTGGACTTTTTGTGCGACTCTTACCCAACCTCAAGTTCGGAGTGGTACAGACA
TCGGTGGAGGAGTGCAGCCAGAAAGGCTGCCTCGCTCTGTCTCTCCTTGAACCTCCTGGGTTTTAACCTC
ACCTTTGTCTTCTCGCAAGCCTCCTTGTCTCATTGAGCCGGTGGCAGCAGGTTCCGGGATACCCGAG
GTCAAATGCTATCTGAATGGCGTAAAGGTGCCAGGAATCGTCCGTCTCCGGACCTGCTCTGCAAGGTC
CTTGGAGTGTGTTCAAGTGTGGCTGGAGGGCTCTTCGTGGGAAGGAAGGCCCATGATCCACAGTGGT
TCGGTGGTGGGAGCTGGCCTCCCTCAGTTTCAGAGCATCTCCTTACGGAAGATCCAGTTTAACTCCCC
TATTTCCGAAGCGACAGAGACAAGAGAGACTTTGTATCAGCAGGAGCGGCTGCTGGAGTTGCTGCAGCT
TTCGGGGCGCAATCGGGGTACCTTGTTCAGTCTAGAGGAGGGTTCGTCTTCTGGAACCAAGGGCTC
ACGTGGAAGTGTCTTTTGTCCATGTCTGCCACCTTACCCTCAACTTCTTCCGTTCTGGGATTTCAG
TTTGGAAAGTGGGTTCCCTCCAGCTCCCTGGATTGCTGAACTTGGCGAGTTTAAAGAGTCTTAGAGAG
CCTCCTTGTGTCTCTGGTAACCACCGTGGTGGTGTGGTGGCCTCGATGGTGTAGGAGAATGCCGACA
GATGTCTCTTTCGAGTCAAATCGGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map: □



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ACCN:	NM_021736
Insert Size:	1062 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_021736.2</u>
RefSeq Size:	1175 bp
RefSeq ORF:	1062 bp
Locus ID:	1185
Cytogenetics:	1p36.22
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
MW:	38.7 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (CIC-6c) lacks an internal coding exon and multiple 3' coding exons, as compared to variant CIC-6a. The resulting isoform CIC-6c has a shorter and distinct C-terminus, as compared to isoform CIC-6a.</p>