

Product datasheet for **SC309476**

CLCN6 (NM_021737) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLCN6 (NM_021737) 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:	>NCBI ORF sequence for NM_021737, the custom clone sequence may differ by one or more nucleotides ATGGCGGGGTGCAGGGGTCTCTGTGCTGCTGCTGCAGGTGGTGTGCTGCTGCGGTGAG CGTGAGACCCGACACCCCGAGGAGCTGACCATCCTTGGAGAAACACAGGAGGAGGAGGAT GAGATTCTTCCAAGGAAAGACTATGAGAGTTTGGATTATGATCGCTGTATCAATGACCTT TACCTGGAAGTTTTGGAGACCATGGATAATAAGAAAGGTCGAAGATATGAGGCGGTGAAG TGGATGGTGGTGTGGCCATTGGAGTCTGCACTGGCCTGGTGGGTCTCTTTGTGGACTTT TTTGTGCGACTCTTACCCAACCTCAAGTTCGGAGTGGTACAGACATCGGTGGAGGAGTGC AGCCAGAAAGGCTGCCTCGCTCTGTCTCCTTGAACCTCTGGGTTTTAACCTCACCTTT GTCTTCTGGCAAGCCTCCTTGTCTCATTGAGCCGGTGGCAGCAGGTTCCGGGATACCC GAGGTCAAATGCTATCTGAATGGCGTAAAGGTGCCAGGAATCGTCCGTCTCCGGACCTG CTCTGCAAGTCCCTTGGAGTGTGTTTCAAGTGTGGCTGGAGGGCTCTTCGTGGGGAAGGAA GGCCCCATGATCCACAGTGGTTCGGTGGTGGGAGCTGGCCTCCCTCAGTTTCAGAGCATC TCCTTACGGAAGATCCAGTTTAACTTCCCTATTTCCGAAGCGACAGGAGCGGCTGCTGG AGTTGCTGCAGCTTTCGGGGCGCCAATCGGGGTACCTTGTTCAGTCTAGAGGAGGGTTC GTCCTTCTGGAACCAAGGGCTCACGTGGAAAGTGTCTTTTGTCCATGTCTGCCACCTT CACCTCAACTTCTTCCGTTCTGGGATTCAGTTTGAAGCTGGGGTTCCTTCCAGCTCCC TGGATTGCTGAACCTTGGCGAGTTTAA
Restriction Sites:	Please inquire
ACCN:	NM_021737
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).



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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_021737.1</u> , <u>NP_068505.1</u>
RefSeq Size:	3858 bp
RefSeq ORF:	927 bp
Locus ID:	1185
Cytogenetics:	1p36.22
Domains:	voltage_CLC
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
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-6d) lacks an internal coding segment of 26 nts and multiple 3' coding exons, as compared to variant CIC-6a. The resulting isoform CIC-6d has a shorter and distinct C-terminus, as compared to CIC-6a.</p>