

Product datasheet for **SC319747**

CLIC2 (NM_001289) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLIC2 (NM_001289) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLIC2
Synonyms:	CLCNL2; CLIC2b; MRXS32; XAP121
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001289.4
TCTACAAGCTAGACGGTCTTCTTAAAGCACCAACATTACTTGAGTCTTTGGATAAAATG
AGAAAAGAGTCTACAAGTATTGTGGACTCTACAGGAGGCAGGAGGCTGACAACTGGCAGT
AAAGACAAAGATGTCAGGCCTGCGGCCCGCACTCAAGTGGACCCTGAGATTGAGCTTTT
TGTAAGGCTGGAAGTATGGAGAGAGTATTGGAACTGTCCCTTTTGCCAACGCCTTTT
CATGATCCTCTGGCTTAAAGGAGTTAAATTTAATGTGACAACTGTTGACATGACCAGAAA
GCCTGAAGAAGTAAAGGACTTAGCCCCAGTACCAATCCTCCGTTCTGGTGTATAACAA
GGAGTTGAAAACAGACTTCATTAATAATTGAGGAGTTTTTGAACAAACCTGGCTCCTCC
AAGGTACCCTCACCTGAGTCCCAAGTACAAGGAGTCTTTTGATGTGGGCTGTAACCTCTT
TGCCAAGTTTTCTGCATACATTAAGAATACACAAAAGGAGGCAAATAAGAATTTTGAAAA
ATCTCTGCTCAAAGAATTCAAGCGTCTGGATGACTACTTAAACACCCCACTTCTGGATGA
AATTGATCCAGACAGTGTGAGGAACCCCAAGTTCCAGAAGACTATTCTTGGATGGGGA
CCAGCTAACACTGGCTGATTGTAGCTTGTACCCAAGCTGAACATTATTAAGTTGCTGC
CAAGAAATATCGTGACTTTGACATTCCAGCAGAATTCTCAGGAGTCTGGCGTTATCTCCA
CAATGCCTATGCCGTGAAGAATTTACCCACACGTGCTCCTGAAGACAAAGAAATTGAAAA
TACTTACGCAAAATGTGGCTAAACAGAAGAGTTAGGAGAGCTCTTACAGGAGAAAAGGCTA
TATTTGTGATCAGATTTTACTTATTGACATATTAGAAAGTTTTTGCAAAATAAGAATATG
AAAAATACTGTTTCTTCTATCCAACCTCTTATGAAAAGGAACTGTATTTTCTATTAG
CCATAAAATACTGTCCACTGTATTTTACAGGTCTTCATACTTTTACTTAATTTTCTTTA
TCTGTATGGCAAACCACTGCAATCCTGAATGACATGGAAGCATCACAATCTTTTGCCT
TTGCTTGAATTCCTGGAATGCATACATAAAGCTAAACAGATGTCTGCAGTTATAAATGT
CATAAGTAGAGGTACAATCTCACCTGCTCCTTAGAAACATTTCCATATAAATCGCTAAA
ATAATTTACATTTTGTAGTTAATATACATGAGTTTATTCTGATATAAATAATA
AATACAGAGAGTGAGCATATCAGAGAGGCAAATCTTAAAGAATGATTTTAAAAATCAGC
TCTAGGAAGAGCTCAAGATCAATTGGTCA TAGAACAGCATTGACGCCTAGAACTATGAC
CACCTCATGGTCAGAGATGAGAATGTAGCCTTTGTGACCAGATTATATTATTTTAAATG
AAGAAGCACTCATTAAATAAACATAATTTTAAAAACAATATAAGAAACAAAGTCAACT
GGATCTTTTATTCACAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001289

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:	NM_001289.4 , NP_001280.3
RefSeq Size:	2702 bp
RefSeq ORF:	744 bp
Locus ID:	1193
UniProt ID:	O15247
Cytogenetics:	Xq28
Protein Families:	Druggable Genome, Ion Channels: Other
Gene Summary:	This gene encodes a chloride intracellular channel protein. 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. This protein plays a role in inhibiting the function of ryanodine receptor 2. A mutation in this gene is the cause of an X-linked form of cognitive disability. [provided by RefSeq, Jul 2017]