

Product datasheet for **RN212005**

Clca2 (NM_001013202) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clca2 (NM_001013202) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Clca2
Synonyms:	CLCA; Clca4; rbCLCA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212005 representing NM_001013202
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGCCAGTGTGAAGTCTTCTGTTCTCACCTGCACCTCTTGCAGGACACAAAAAGCTTCAAGG
 TCCATCTCAACAACAATGGATATGAGGGTGTGGTCATTGCAATTAACCCAGTGTACCAGAGGATGAAAG
 ACTCATCCCAAGCTTAAAGGAAATGGTCACTCAAGCCTCTACTTACCTGTTTGAAGCCAGCCAAGGAAGG
 TTTTACTTCAGGAATGTAAGCATATTAGTCCCAGTACCTGGAAGTCAAAATCTGAGTACTTGATGCCAA
 AACGAGAATCATATGACAAAGCAGATGTCATAGTTGCCAATTCTCATCTGAAATATGGAGACAATCCCTA
 CACCCCTCAATATGGGCAGTGTGGGGACAGAGGACGGTACATACATTTCACTCCAAACTTCTGCTCACT
 GATAACGTGCGTAACTATGGACCCCGAGGCAGAGTCTTTGTCCATGAGTGGGCTCATCTCCGGTGGGGAG
 TGTTTGATGAGTATAATGAGGACCGCCTTTCTACATATCTGAAAGAACACTATCGAAGTGACAAGGTG
 TTCTACCGACATCAAGGGCTCTAAGGCGGTCCATGAGCGCCAGAGAGGCAGCGATGTGACAAGGTTATGC
 CGATGGGACTCGAGGACAGGGCTGTATGAACCCAAATGTAATTTTTCCAGACAAAATTCAGACTGCCA
 GGGCTCCATAATGTTTATGCAAAATCTCAATTCGGTGTGAATTTTGACAGAAAAAACCATAATAC
 GGAAGCCCAACCTACAAAACAAAATATGCAATGGCAGAAGCACGTGGGACGTAATCAAGGAGTCCGCT
 GACTTTCAGCAGGCCCTCCCATGAGAGGAACAGAAGCCCTCCTCCACCACGTTTTCTTGCTCAAGT
 CCAGACAGCGAGTGATCTGCTTGGTGTGGATAAATCCGGAAGCATGGACACAGAAGACCGCCTTATTCCG
 AATGAATCAAGCAGCGGAACGTACTTAACTCAAATTGTTGAAAAGGAATCTATGGTTGGATTAGTCACT
 TTTGACGCACTGCCAAATCCAAAATACCTGATAAAAAAATACTAATACCGGTGACTACAAGAAAAATCA
 CTGGAAAATCTCCCTCAGCAGGCTGTTGGGGGACTTCAATCTGCAGGGGACTGGAAGCAGGATTTACGGC
 AATTACCTCCAGTGACCAGAGTACTTCCGGTCTGAGATTGTATTGCTAACAGATGGGGAAGATGATCTA
 ATAAGTTCATGCTTTGAGGTGGTCAAACACAGCGGTGCGGTCAATTCACACCATCGCCCTGGGGCCTAAAG
 CTGCCCGAGAAGTGGAGACTTTGTCCGATATGACAGGAGGGCTTCGCTTTTATGCCAACAAGATGTGAA
 CAGCCTGATGGACGCTTTCAGTGGGATTTCTCTGCAAGTGGCAACCTCTCCAGCAGGCTCTGCAGTTG
 GAGAGCAAAGCCTTCAATATTGGAGGGGGACATGGATAAATGGTACAGTACCTGTGGACAGTACCATTG
 GCAACGCACTTTCTTTGTTATTACCTGGACAGTCCAAAAGCCAGAAATATTCTCGAGATCCAAAAG
 AAAAAAATACAACTCAGATTTCCAAGACAATAAACTAAACATTGATCTGCTCGACTCAAATACCA
 GGCAGTGCAGAGACAGGAACCTGGACTTACAGCCTCTTCAATAAGGGGGTCAAACCTCAGTTGCTAACTG
 TGACAGTGACCACTCGAGCCAGAAGTCCCACCACAGCCCTCATGGCCACCGCTCACATGAGTCAGAG
 CACAGCCCACTACCTAGTCCGATGATTGTGTATGCACGGGTGAGCCAAGGGTTTTTGCCTGTTCTGGGA
 GCCAATGTCACAGCCGTCATAGAATCTGAAAATGGAAGTCGAGTACCCTGGAGCTCTGGGACAACGGGG
 CAGGTGCTGCACTGTCAAAAATGATGGCATCTACACGAGATATTTTACAGATTACACGGAAATGGTAG
 ATACAGCTTAAAAGTGCCTGTCCAGGCAAGAAAGAGCAAAGCCAGACTAAGTTTAAAGACAAAAGAACAAG
 TCTTTATATACCTGGCTATGTTGAAAATGGTAAAATATACTGAATCCACCCAGACCGGAAGTCCCAG
 AAGAAGCTACAGAAGCTGCAGTGAAGACTTACGACAGTAACTCTGGAGAGTCGTTTACTGTGTCGGG
 AGCGCCCCCTGATGGCGGCCACGCTCATGTGTTCCCAAGTAAAGTTACAGACCTGGAGGCCGAGTTT
 AAAGGTGATCATATTCACCTTACCTGGACGGCCCTGGCAAGTTCTCGATAAAGGAAGAGCGCACAGAT
 ACGTCATCAGAATGAGCCGGCATCCTCCTGGTCTCCAAGATTTTAAACGACGCTACTTTAGTGAATCTTC
 CGGTCTGATACCTAAAGAGGCTGGCTCAGAAGAAACGTTTAAATCAAACCAGCAAGTTTAAAAATAGAA
 AACGGCACCCAGCTCTACATTGCAATCTGGCCAAACAATGAAGCCGGTCTCACCTCTGAGGTCTCCAACA
 TCGCACAGGCTGTCAACTTTATCTCCAGAACATAGTTTCTCTACACTCAGCCCTGATATTTCTGCAAT
 CTGTCTGACAATTTGGGGTTAACTGTGATTCTTAACGATATTTAACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001013202

Insert Size:	2712 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).
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_001013202.2</u> , <u>NP_001013220.1</u>
RefSeq Size:	3324 bp
RefSeq ORF:	2712 bp
Locus ID:	362052
Cytogenetics:	2q44
Gene Summary:	calcium-sensitive chloride channel which is expressed in endothelial cells [RGD, Feb 2006]