

Product datasheet for **MR208248**

Clca1 (BC010260) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clca1 (BC010260) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clca1
Synonyms:	Cacc; Clca1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208248 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGCCAGGGCTGCAGGTCCTTCTGTTCTCACCTGCATCTCCTGCAGAACACAGAGAGCTCCATGG
 TGCATCTCAACAGCAATGGATACGAGGGTGTGGTCATTGCCATTAACCCAGTGTCCGGAGGACGAAAG
 GCTCATCCAAGCATAAAGGAAATGGTAACTCAAGCCTTACCTACCTGTTTGAAGCCAGCCAAGGAAGA
 GTTTATTTTCAGAAACATAAGCATATTAGTCCCAGTACCTGGAAGTCAAAACCTGAGTACTTAATGCCAA
 AACGAGAATCGTATGACAAAGCAGAGCTCATAGTTGCGGATCCTCACCTGCAACATGGAGACGACCCCTA
 CACCCCTCAGTATGGACAGTGTGGGGACAGAGGACAGTACATACACTTCACTCCAAACTTCTACTCACT
 GATAACTTGCATCTACGGACCCCGAGGCAGAGTCTTTGTCCATGAGTGGGCCCATCTCCGGTGGGGAG
 TATTTGATGAGTAAACGTGGACCAGCCTTTCTACATGTCTAGAAAGAACACTATAGAAGCAACAAGGTG
 TTCCACCAGGATCACTGGCACC AATGTGGTTCACA AACTGTGAGAGAGGCAACTGTGT CACAAGGGCGTGC
 CGGCGTACTCGAAGACACGGCTGTATGAACCCAAATGTACATTTATCCAGACAAAATACAGACGGCTG
 GGGCTCCATAATGTTTATGCAAAAACCTTAATTCTGTGGTTGAATTTTGACAGAAAAAACACAAATGC
 AGAAGCCCCAAACCTACAAAACAAAATGTGCAATCGCAGAAGCACGTGGGATGTAATCAAGACGTCTGCT
 GACTTTTCAGAAATGCCCTCCCATGAGAGGAACAGAAGCCCTCCTCCACCTACATTTTCACTGCTCAAGT
 CCAGAAGCGAGTGGTGTGCTTGGTGTGGATAAATCTGGAAGCATGGACAAAGAAGACCGTCTTATTTCG
 AATGAATCAAGCAGCAGA AACTGACTTAACTCAAATTGTGAAAAGGAGTCTATGGTTGGATTAGTCACA
 TTTGACAGCGCTGCCACATCCAAAATTATCTAATAAAAAAACGAGTAGTAGTACTACAAAAGATCA
 CCGCAAACTCCCCAACAGGCTTCTGGTGA AACTTCAATTTGCCATGGACTCCAGGCAGGATTTCAAGC
 AATTACCTCCAGTGACCAGAGCACTTCCGGTCTGAGATCGTATTGCTGACAGATGGGGAAGATAATGGA
 ATACGTTCTGCTTTGAGGCCGTCTCTCGAGCGGTGCCATCATCCACCCATCGCTCTGGGCTTCGG
 CTGCCCGAGA AACTGGAGACTCTGTGGACATGACAGTTGGAGAGCAAAGCCTTCGATGTCAGAGCAGGGG
 CATGGATAAACGGTACAGTACCTCTGGACAGTACCGTCCGCAACGACACGTTCTTTGTTATCACCTGGAT
 GGTAAAAAAGCCAGAAATCATTCTCAAGATCCAAAAGGAAAAAATATACAACCTCAGATTTCCAAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208248 protein sequence
 Red=Cloning site Green=Tags(s)

MVPGQLQVLLFLTLHLLQNTLESSMVHLNSNGYEGVVIAINPSPEDERLIPSIKEMVTQASTYLFEASQGR
 VYFRNISILVPMTWKSPEYLMPKRESYDKADVIVADPHLQHGDOPYTLQYGQCGDRGQYIHFTPNFLLT
 DNLR IYGRGRV FVHEWAHLRWGVFDEYNVDQPFYMSRKNTIEATRCSTRITGTNVVHNCERGN CVTRAC
 RRDSKTRL YEPKCTFIPDKIQTAGASIMFMQNLNSVVEFCTEKNHNAEAPNLQNKMCNRRSTWDVIKTS
 ADFQNA PPMRGTEAPPPPTFSL LKSRRRVVCLVLDKSGSMDKEDRLIRMNQAAEL YLTQIVEKESMVLVT
 FDSAAHIQNYLIKITSSSDYQKITANLPQQASGGTSICHGLQAGFQAITS SDQSTSGSEIVLLTDGEDNG
 IRSCFEAVSRSGAIHTIALGPSAARELETLSDMTVGEQSLRCQSRGMDKRYSTSGQYRRQRHVL CYHLD
 GK KARNHSSRSRKRKKIYNLRFPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: BC010260

ORF Size: 1539 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:**
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: [BC010260](#), [AAH10260](#)

RefSeq Size: 3201 bp

RefSeq ORF: 1541 bp

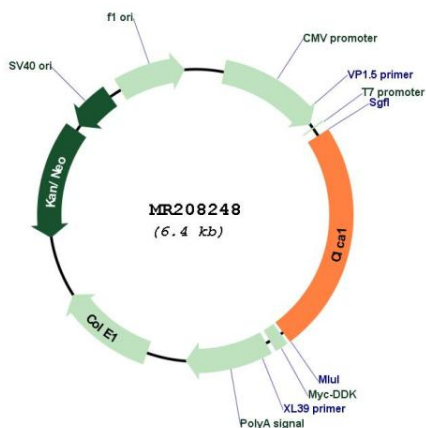
Locus ID: 12722

Cytogenetics: 3 69.06 cM

MW: 58 kDa

Gene Summary: Plays a role in modulating chloride current across the plasma membrane in a calcium-dependent manner.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208248