

Product datasheet for **MR211116**

Clca2 (BC008147) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clca2 (BC008147) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clca2
Synonyms:	Clca2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR211116 representing BC008147
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGCCAGGGCTGCAGGTCCTTCTGTTCTCACCCTGCATCTCCTGCAGAACACAGAGAGCTCCATGG
 TGCATCTCAACAGCAATGGATACGAGGGTGTGGTCATTGCCATTAACCCAGTGTGCCAGAGGACGAAAG
 GCTCATCCCAAGCATAAAGGAAATGGTAACTCAAGCTTCTACCTACCTGTTTGAAGCCAGCCAAGGAAGA
 GTTTATTTTTCAGGAACATAAGCATATTAGTCCCAGTACCTGGAAGTCAAAATCTGAGTACTTAATGCCAA
 AACGAGAATCGTACGACAAAGCAGAGCTCATAGTTGCGGATCCTCACCTGCAACATGGAGACGACCCCTA
 CACCCCTCAGTATGGACAGTGTGGGGACAGAGGACAGTACATACACTTCACTCCAAACTTCTACTCACT
 GATAACTTGCATCTATGGACCCCGAGGCAGAGTCTTTGTCCATGAGTGGGCCCATCTCCGGTGGGGAG
 TATTTGATGAGTAACTGGACCGGCTTTCTACATTTCTAGAAAGAACAATATAAGCAACAAGGTG
 CTCGCCAGCATCACAGCAAGAAGGTGGTCCACGAGTGTGAGAGGCAGCTGTGTGACAAGGGCGTGC
 CGCGGTGACTCGAAGACACGGCTGTATGAACCCAAATGTACATTTATCCAGACAAAATACAGACAGCTG
 GGGCTCCATAATGTTTATGCAAAACCTCAATTCTGTGGTTGAATTTTGACAGAAAATAACCAATGC
 AGAAGCCCAACCTACAAAACAAATGTGCAATCGCAGAAGCACGTGGGATGTAATCAAGGCGTCTGCT
 GACTTTTTCAGAAATCCCTCCCATGAGAGGAACAGAAGCGCCTCCTCCACCTACATTTTTCATTGCTCAAGT
 CCAGAAGCGAGTGGTGTGCTTGGTGTGGATAAATCTGGAAGCATGGACAAAGAAGACCGTCTTATTTCG
 AATGAATCAAGCAGCAGAAGTACTTAACTCAAATGTGAAAAGGAGTCTATGGTTGGATTAGTCACA
 TTTGACAGCGCTGCCACATCCAAAATTAATCTAATAAAAAAACAAGAGTAGTAGTACTACAAAAGATCA
 CCGCAAACTCCCCAACAGGCTACTGGTGAACCTTCAATTTGCCATGGACTCCAGGCAGGATTTACAGC
 AATTACCTCCAGTGACCAGAGCACTTCCGGTCTGAGATCGTATTGCTGACAGATGGGGAAGATAATGGA
 ATAAGTTCCTGCTTTGAGGCCGTCTCTCGAGCGGTGCCATCATCCACACCATCGCTCTGGGCTTCTG
 CTGCCGAGAAGTGGAGACTCTGTGAGACATGACAGGAGGGCTTCGTTTCTATGCCAACAACATGTAAG
 CAGCCTTATCGACGCTTTCAGTAGGATTTTCACTACAAGTGGCAGCGTCTCCAGCAGGCTCTGCAGTTG
 GAGAGCAAAGCCTTCAATGTGAGCAGGGGCATGGATAAACAGTACAGTACCTGTGGACAGTACCGTGC
 GCAACGACAGTCTTTTGTATCACCTGGACGGTACAAAAGCCAGAAATCATTCTCAAGATCCAAAAGG
 AAAAAATATATAACCTCAGATTTCCAAGATGATGAACAAACATCCGGTCTGCTCGACTCAAATACCG
 GGCAGTGCAGAGCAGGTAAGTGGACTTACAGCATCACGGTACCAAGTCTCAGTTGATTACAATGACAG
 TGACCACTCGAGCAAGAAGTCCCACCATGGAACCACTCCTGGCTACCGCTCACATGAGTCAGAGCACAGC
 CAGTACCTAGCCGGATGATTGTGTATGTACGGGTGAGCAAGGGTTTTTGCCTGTTCTAGGAGCAAT
 GTCACAGCCATCATAGAAGTGAACATGGACATCAAGTCAACCTGGAGCTATGGGACAATGGGGCAGGTG
 CTGATACTGTTAAAAATGATGGCATCTACACAAGATACTTTACAGATTATCATGGAAATGGTAGATACAG
 CCTAAAAGTGCCTGTCCAGGCAAGAAAAACAAAGCCAGACTAAGCTTAAGACAGAAGAACAAGTCTTTA
 TATACCTGGCTATGTGAAAAATGGTAAATTTGACTGAATCCACCCAGACCAGATGTCCAAGAAGAAG
 CCATAGAAGCTACAGTGGAGGACTTCAACAGAGTAACTCTGGAGGGTCAATTTACTGTGTCTGGAGCGCC
 CCCTGATGGCGACCATGCTCGTGTGTTCCCAAGTAAAGTACAGACCTGGAGGCTGAGTTTATAGGT
 GATTATATTCAACTTACATGGACGGCCCTGGCAAGTTCTCGATAAGGGAAGAGCGCATAGATACATCA
 TCAGAGTGAAGCAGCATCCTCTGGTCTCCAAGAAGATTTTAAACAATGCTACTTTAGTGAATGCTCCAG
 TCTGATACCTAAAGAGGCTGGCTCAAAAGAAACATTTAAATTCAAACCAGAAACTTTTAAATAGCAAAT
 GACACCCAGCTCTACATTGCAATCCAGGCATACAATGAAGCTGGTCTCACCTCTGAGGTCTCCAACATTG
 CACAGGCTGTCAAGTTTACTTCTCTAGAAGATAGTATCTCTGCACTGGGTGCTGATTTTCTGCAATCTC
 TATGACAGTTGGGGTTAGCTGTGATTTTAACTCTATTTTAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211116 representing BC008147
 Red=Cloning site Green=Tags(s)

MVPLGLQVLLFLTLHLLQNTTESSMVLNSNGYEGVVIAINPSVPEDERLIPSIKEMVTQASTYLFEASQGR
 VYFRNISILVPMTWKSKSEYLMPKRESYDKADVI VADPHLQHGDOPYTLQYGCGDRGQYIHFTPNFLLT
 DNLRIYGRPRGRVFEHWAHLRWGVFDEYNVDRPFYISRKNTIEATRCSASITGKKVVHECQRGSCVTRAC
 RRDSKTRLYEPKCTFIPDKIQTAGASIMFMQNLNSVVEFCTENNHNAEAPNLQNKMCNRRSTWVDVIKASA
 DFQNSPPMRGTEAPPPPTFSLKSRRRVCLVLDKSGSMDKEDRLIRMNQAAELYLTIQIVEKESMVLVT
 FDSAAHIQNYLIKITSSSDYQKITANLPQATGGTSICHGLQAGFQAITSDDQSTSGSEIVLLTDGEDNG
 ISSCFEAVSRGAIHTIALGPSAARELETLDMTGGLRFYANKHVSSLIDAFSRISSSTSGSVSQALQL
 ESKAFNVRAGAWINSTVPVDSTVGNDDFFVITWTVQKPEIILQDPKGKKYITSDFQDELNIRSARLQIP
 GTAETGTWYSITGKSQLITMTVTTRARSPTMEPLLATAHMSQSTAQYPSRMIVYVRSQGFPLVLAN
 VTAIEAEHGHQVLELWDNGAGADTVKNDGIYTRYFTDYHGNGRYSKVRVQARKNKARLSLRQKNKSL
 YIPGYVENGKIVLNPPRPDVQEEAIEATVEDFNRTVSGGSFTVSGAPPDGDHARVFPSPKVTDLAEFIG
 DYIQLTWTAPGKVLDKGRAHRYIRVSVHPLGLQEDFNATLVNASSLIPKEAGSKETFKFKPETFKIAN
 DTQLYIAIQAYNEAGLTSEVSNTAQAVKFTSLEDSISALGADISASMTVWGLAVIFNSILN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9062_d05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

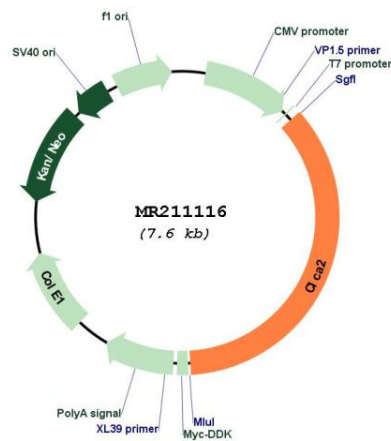
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC008147

ORF Size:	2706 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:	<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:	BC008147.1
RefSeq Size:	3137 bp
RefSeq ORF:	2708 bp
Locus ID:	80797
Cytogenetics:	3 H2
MW:	99.9 kDa

Product images:


Circular map for MR211116