

## Product datasheet for **MG211116**

### Clca2 (BC008147) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Clca2 (BC008147) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Clca2
Synonyms:	Clca2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG211116 representing BC008147  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGTGCCAGGGCTGCAGGTCCTTCTGTTCTCCTCACCTGCATCTCCTGCAGAACACAGAGAGCTCCATGG  
 TGCATCTCAACAGCAATGGATACGAGGGTGTGGTCATTGCCATTAACCCAGTGTGCCAGAGGACGAAAG  
 GCTCATCCCAAGCATAAAGGAAATGGTAACTCAAGCTTCTACCTACCTGTTTGAAGCCAGCCAAGGAAGA  
 GTTTATTTTTCAGGAACATAAGCATATTAGTCCCAGTACCTGGAAGTCAAAATCTGAGTACTTAATGCCAA  
 AACGAGAATCGTACGACAAAGCAGAGCTCATAGTTGCGGATCCTCACCTGCAACATGGAGACGACCCCTA  
 CACCCCTCAGTATGGACAGTGTGGGGACAGAGGACAGTACATACACTTCACTCCAAACTTCTACTCACT  
 GATAACTTGCATCTATGGACCCCGAGGCAGAGTCTTTGTCCATGAGTGGGCCCATCTCCGGTGGGGAG  
 TATTTGATGAGTAAACGTGGACCGCCCTTTCTACATTTCTAGAAAGAACACTATAGAAGCAACAAGGTG  
 CTCGCCAGCATCACAGGCAAGAAGGTGGTCCACGAGTGTGAGAGGCGAGCTGTGTGACAAGGGCGTGC  
 CGGCGTACTCGAAGACACGGCTGTATGAACCCAAATGTACATTTATCCAGACAAAATACAGACAGCTG  
 GGGCTCCATAATGTTTATGCAAAACCTCAATTCTGTGTTGAATTTTGACAGAAAATAACCAATGC  
 AGAAGCCCAACCTACAAAACAAAATGTGCAATCGCAGAAGCACGTGGGATGTAATCAAGGCGTCTGCT  
 GACTTTTTCAGAAATCCCTCCCATGAGAGGAACAGAAGCGCCTCCTCCACCTACATTTTTCATTGCTCAAGT  
 CCAGAAGGCGAGTGGTGTGCTTGGTGTGGATAAATCTGGAAGCATGGACAAAGAAGACCGTCTTATTTCG  
 AATGAATCAAGCAGCAGAAGTACTTAACTCAAATGTGAAAAGGAGTCTATGGTTGGATTAGTCACA  
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 AATTACCTCCAGTGACCAGGACTTCCGGTCTGAGATCGTATTGCTGACAGATGGGGAAGATAATGGA  
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 CTGCCCGAGAAGTGGAGACTCTGTGAGACATGACAGGAGGGCTTCGTTTCTATGCCAACAACATGTAAG  
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 GAGAGCAAAGCCTTCAATGTGAGCAGGGGCATGGATAAACAGTACAGTACCTGTGGACAGTACCGTGC  
 GCAACGACAGTCTTTTGTATCACCTGGACGGTACAAAAGCCAGAAATCATTCTTCAAGATCCAAAAGG  
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 GGCAGTGCAGAGCAGGTAAGTGGACTTACAGCATCACGGTACCAAGTCTCAGTTGATTACAATGACAG  
 TGACCACTCGAGCAAGAAGTCCCACCATGGAACCACTCCTGGCTACCGCTCACATGAGTCAGAGCACAGC  
 CAGTACCTAGCCGGATGATTGTGTATGTACGGGTGAGCAAGGGTTTTTGCCTGTTCTAGGAGCAAT  
 GTCACAGCCATCATAGAAGTGAACATGGACATCAAGTCAACCTGGAGCTATGGGACAATGGGGCAGGTG  
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 GACACCCAGCTCTACATTGCAATCCAGGCATACAATGAAGCTGGTCTCACCTCTGAGGTCTCCAACATTG  
 CACAGGCTGTCAAGTTTACTTCTCTAGAAGATAGTATCTCTGCACTGGGTGCTGATTTTCTGCAATCTC  
 TATGACAGTTGGGGTTAGCTGTGATTTTAACTCTATTTTAAAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - **GTTTAA**

**Protein Sequence:** >MG211116 representing BC008147  
 Red=Cloning site Green=Tags(s)

MVPLGLQVLLFLTLHLLQNTESMVLNSNGYEGVVIAINPSVPEDERLIPSIKEMVTQASTYLFEASQGR  
 VYFRNISILVPMTWKSSEYLMPKRESYDKADVIVADPHLQHGDPPYTLQYGCGDRGQYIHFTPNFLLT  
 DNLRIYGRGRVFEVHWAHLRWGVFDEYNVDRPFYISRKNTIEATRCSASITGKKVVHECQRGSCVTRAC  
 RRDSKTRLYEPKCTFIPDKIQTAGASIMFMQNLNSVVEFCTENHNHAEAPNLQNKMCNRRSTWDVIKASA  
 DFQNSPPMRGTEAPPPPTFSLKSRRRVCLVLDKSGSMDKEDRLIRMNQAAELYLTIQIVEKESMVLVT  
 FDSAHHIQNYLIKITSSSDYQKITANLPQATGGTICHGLQAGFQAITSDDQSTSGSEIVLLTDGEDNG  
 ISSCFEAVSRGAIHTIALGPSAARELETSDMTGGLRFYANKHVSSLIDAFSRISSSGSVSQALQL  
 ESKAFNVRAGAWINSTVPVDSTVGNDDFFVITWTVQKPEIILQDPKGKKYITSDFQDELNIRSARLQIP  
 GTAETGTWYSITGKSQLITMTVTTRARSPTMEPLLATAHMSQSTAQYPSRMIVYVRSQGFPLVLAN  
 VTAIEAEHGHQVLELWDNGAGADTVKNDGIYTRYFTDYHGNGRYSKVRVQARKNKARLSLRQKNKSL  
 YIPGYVENGKIVLNPPRPDVQEEAIEATVEDFNRTVSGGSFTVSGAPPDGDHARVFPSPKVTDLAEFIG  
 DYIQLTWTAPGKVLDKGRAHRYIIRVSHPLGLQEDFNATLVNASSLIPKEAGSKETFKFKPETFKIAN  
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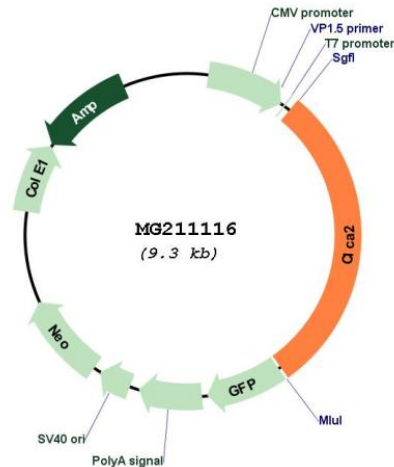
TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**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:**

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