

Product datasheet for **MG222953**

C1ql2 (NM_207233) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C1ql2 (NM_207233) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: C1ql2
Synonyms: BC040774; CTRP10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG222953 representing NM_207233
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCACTGGGGCTGCTGATCGCGGTGCCTCTGCTGCTGCAGGCGGCCCGCCCGGAGCGGCTCACTACG
 AGATGCTGGGCACCTGCCGCATGATCTGTGACCCATACAGCGTCGCTCCCGCAGGGGGACCCGCGGGCGC
 CAAGGCTCCACCGCCGGGACCCAGTACCGCTGCCCTGGAAGTTATGCAGGACCTCAGCGCAACCCCGG
 CCTCCGTTTATCCAGGGACCAAAGGTGATCCGGGGCGACCAGGCAAGCCAGGGCCTCGGGTCTCCTG
 GAGAGCCAGGGCCTCCTGGGCCAGGGTCCCCGGGAGAGAAAGGAGACTCGGGGAGGCCAGGGCTACC
 CGGACTGCAGTTGACAACCAGCGCGGCCGTTGGGTTGGAGTGGTGGTGGCGGAACCGGGGCGGTGGC
 GACACGGAGGGAGAAGTGACCAAGTGCAGTGCAGCGCCGCTTCAGCGGTCCCAAGATCGCCTTCTACGTGG
 GACTCAAGAGCCCCACGAAGGCTACGAGGTGCTCAAGTTCGACGACGTGGTCACCAATCTTGGCAATCA
 CTACGACCCCACTACAGGCAAGTTCAGCTGCCAGGTGCGGGGCATCTACTTCTTACGTACCACATTCTC
 ATGCGTGGCGGCGACGGAACCAGCATGTGGCGGATCTCTGCAAGAACGGGACAGGTGCGAGCCAGCGCCA
 TAGCCCAGGACCGGACCAGAATTACGACTACGCCAGCAACAGCGTGGTACTGCACCTGGATTACGGCGA
 TGAAGTCTACGTGAAGCTGGACGGCGGAAGGCTCACGGCGCAACAATAACAAGTACAGCACGTTCTCG
 GGCTTCTCCTGTATCCGGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222953 representing NM_207233
 Red=Cloning site Green=Tags(s)

MALGLLLIAPVLLLQAAPPAAHYEMLGTCRMI CD PYSVAPAGGPAGAKAPPPGPSTAALEVMQDL SANPP
 PPFIQGPKGDPGRPGKPGPRPPGEPGPPGPRGPPGKGD SGRPGLPGLQLTTSAAGVG VVSSGGTGGGG
 DTEGEVTSALSAAFSGPKIAFYVGLKSPHEGYEVLKFD DVVTNLGNHYDPTTGKFS CQVRGIYFFTYHIL
 MRGGDGTSMWADLCKNGQV RASAI AQDADQNYDYASNSVVLH L DSGDEVVYKLDGGKAHGNNNKYSTFS
 GFLLYPD

TRTRPLE - GFP Tag - V

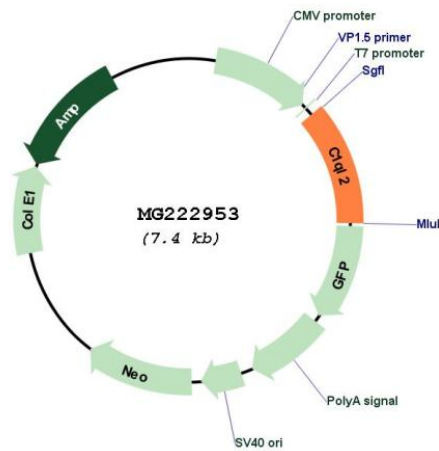
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_207233

ORF Size: 861 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:	NM_207233.1 , NP_997116.1
RefSeq Size:	2070 bp
RefSeq ORF:	864 bp
Locus ID:	226359
UniProt ID:	Q8CFR0
Cytogenetics:	1 E2.3
Gene Summary:	May regulate the number of excitatory synapses that are formed on hippocampus neurons. Has no effect on inhibitory synapses.[UniProtKB/Swiss-Prot Function]