

## Product datasheet for MR222953

### C1ql2 (NM\_207233) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C1ql2 (NM\_207233) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** C1ql2  
**Synonyms:** BC040774; CTRP10  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR222953 representing NM\_207233  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCACTGGGGCTGCTGATCGCGGTGCCTCTGCTGCTGCAGGCGGCCCGCCCGGAGCGGCTCACTACG  
AGATGCTGGGCACCTGCCGCATGATCTGTGACCCATACAGCGTCGCTCCCGCAGGGGGACCCGCGGGCGC  
CAAGGCTCCACCGCCGGGACCCAGTACCGCTGCCCTGGAAGTTATGCAGGACCTCAGCGCAACCCCGG  
CCTCCGTTTATCCAGGGACCAAAGGTGATCCGGGGCGACCAGGCAAGCCAGGGCCTCGGGTCTCCTG  
GAGAGCCAGGGCCTCCTGGGCCAGGGTCCCCGGGAGAGAAAGGAGACTCGGGGAGGCCAGGGCTACC  
CGGACTGCAGTTGACAACCGCGCGCCGGTGGCGTTGGAGTGGTGGTGGCGGAACCGGGGCGGTGGC  
GACACGGAGGGAGAAGTGACCAAGTGCAGTGCAGCGCCGCTTCAGCGGTCCCAAGATCGCCTTCTACGTGG  
GACTCAAGAGCCCCACGAAGGCTACGAGGTGCTCAAGTTCGACGACGTGGTCACCAATCTTGGCAATCA  
CTACGACCCCACTACAGGCAAGTTCAGTGCAGGTGCGGGGCATCTACTTCTTACGTACCACATTCTC  
ATGCGTGGCGGGACGGAACAGCATGTGGCGGATCTCTGCAAGAACGGGACAGGTGCGAGCCAGCGCCA  
TAGCCCAGGACCGGACCAAGTACGACTACGCCAGCAACAGCGTGGTACTGCACCTGGATTACGGCGA  
TGAAGTCTACGTGAAGCTGGACGGCGGGAAGGCTCACGGCGGCAACAATAACAAGTACAGCACGTTCTCG  
GGTTCCTCCTGTATCCGGAT

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR222953 representing NM\_207233  
Red=Cloning site Green=Tags(s)

MALGLLLIAVPLLLQAAPPAAHYEMLGTCRMICDPYSVAPAGGPAGAKAPPPGPSTAALEVMQDLSANPP  
 PPFIQGPKGDPGRPGKPGPRPPGEPGPPGPRGPPGEGKGDSDRPLPGLQLTTSAAGVGVVSSGGTGGGG  
 DTEGEVTSALSAAFSGPKIAFYVGLKSPHEGYEVLKFDVVVTLNHNHYDPTTGKFSQVIRGIYFFTYHIL  
 MRGGDGTSMWADLCKNGQVRASAI AQDADQNYDYASNSVVLHLDSGDEVVYKLDGGKAHGGNNNKYSTFS  
 GFLLYPD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9007\\_e03.zip](https://cdn.origene.com/chromatograms/mm9007_e03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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:**

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

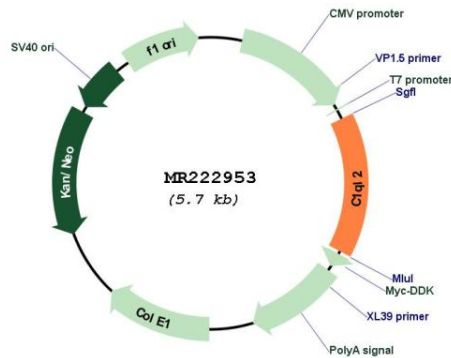
**UniProt ID:** [Q8CFR0](#)

**Cytogenetics:** 1 E2.3

**MW:** 29.7 kDa

**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]

**Product images:**



Circular map for MR222953