

## Product datasheet for **MG222610**

### C1ql4 (NM\_001024702) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C1ql4 (NM_001024702) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C1ql4
Synonyms:	C1qtnf11; CTRP11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222610 representing NM_001024702 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGTGCTGCTGCTGGTAGCCATCCCCTACTGGTGCACAGCTCTCGCGACCAACACACTATGAGA  
TGCTAGGTCGCTGTCGCATGGTGTGTGACCCCCACGCATCCCGAGGCCAAGGCCCGACGGCGGCCCGC  
CTCGGTGCCTTCCTTACCTCCAGGTGCCAAGGGAGAGGTGGGGCGCGAGGGAAGGCAGGCCTGCGGGG  
CCACCAGGACCCCGAGTCCAGAGGGCCCCCTGGAGAGCCAGGCAGGCCAGGACCCCGAGTCTCCTG  
GCCCAGGCCCTGGAGGGGAGCGCCCCCTGCCGGCTATGTACCCGAATTGCCTTCTACGCGGGTCTAAG  
GCGGCCTCAGGAGGTTATGAAGTGTTCGCTTTGACGACGTGGTGACCAACGTGGCAACGCTTACGAG  
GCAGCCAGCGCAAGTTCACCTGCCCATGCCAGGAGTCTATTTCTTCGCTTACCATGTGCTCATGCGAG  
GCGGTGACGGTACCAGCATGTGGCCGATCTGATGAAGAACGGACAGGTCCGGGCCAGCGCCATTGCTCA  
GGATGCGGATCAGAACTACGACTATGCCAGCAACAGCGTCATTCTGCACCTAGACGTGGGTGACGAGGTC  
TTCATCAAGCTGGACGGTGGGAAGGTGCACGGCGGGAACCAATAAGTACAGCACCTTCTCAGGATTCA  
TCATCTACCCGGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG222610 representing NM\_001024702  
 Red=Cloning site Green=Tags(s)

MVLLLLVAIPLL VHSSRGPTHYEMLGRCRMVCDPHASRGQPGDGAPASVPSLPPGAKGEVGRRKAGLGRG  
 PPGPPGPRGPPGEPGRPGPPGPPGPGGGAAPPAGYVPRIAFYAGLRRPHEGYEVLRFDDVVTVNGNAYE  
 AASGKFTCPMPGVYFFAYHVLMRGGDGTSMWADLMKNGQVRASIAIQDADQNYDYASNSVILHLDDVGDDEV  
 FIKLDGGKVHGGNTNKYSTFSGFIIYPD

TRTRPLE - GFP Tag - V

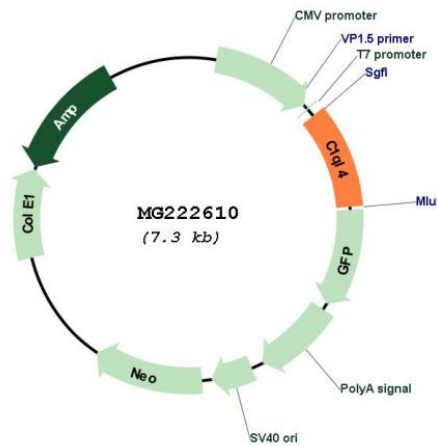
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001024702

**ORF Size:** 714 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001024702.1</a> , <a href="#">NP_001019873.1</a>
<b>RefSeq Size:</b>	717 bp
<b>RefSeq ORF:</b>	717 bp
<b>Locus ID:</b>	239659
<b>UniProt ID:</b>	<a href="#">Q4ZJM9</a>
<b>Cytogenetics:</b>	15 F1
<b>Gene Summary:</b>	May regulate the number of excitatory synapses that are formed on hippocampus neurons. Has no effect on inhibitory synapses. May inhibit adipocyte differentiation at an early stage of the process.[UniProtKB/Swiss-Prot Function]