

## Product datasheet for **RG213000**

### **C1QL2 (NM\_182528) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C1QL2 (NM\_182528) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** C1QL2  
**Synonyms:** C1QTNF10; CTRP10  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG213000 representing NM\_182528  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCTCGGGCTGCTCATCGCCGTGCCGCTGCTGCTGCAGGCGGCGCCCCGAGGCGCCGCGCACTATG  
AGATGATGGGCACCTGCCGCATGATCTGGGAACCTTACTGCGCGCCCGCGGGGAGCCCCGGGTGC  
AAAGGCGCACAACCCCGGACCCAGCACC GCCGCCCTGGAAGTCATGCAGGACCTCAGCGCAACCCCTCT  
CCTCCTTTCATCCAGGGACCCAAGGGCGACCCGGGGCGACCGGGCAAGCCAGGGCCGCGGGGCCCTG  
GAGAGCCGGGCCCGCTGGACCCAGGGGCCCTCCGGGAGAGAAGGGCGACTCGGGGAGGCCCGGGTGCC  
AGGGCTGCAACTGACGGCGGGCAGGCCAGCGGCTCGGGGTGGTGGGCGCGGGGCCGGGTAGGTGGC  
GATTCCGAGGGTGAAGTGACCAAGTGCAGTGCAGCGCCACCTTCAGCGGCCCAAGATCGCCTTCTATGTGG  
GTCTCAAGAGCCCCACGAAGGCTATGAGGTGCTGAAGTTCGATGACGTGGTCACCAACCTCGGCAATCA  
CTATGACCCACCCAGGGCAAGTTCAGTGCAGGTACCGGCACTACTTCTTACCTACCACATCCTC  
ATGCGCGGCGGCGACGGCACCAGCATGTGGCGGACCTCTGCAAGAACGGGCAAGTCCGGGCCAGCGCCA  
TTGCACAGGACCGCCAGCAGAATACTACTACGCCAGTAAACAGCGTGGTGTGCTGCACTTGGATTAGGGGA  
CGAAGTGTATGTGAAGCTGGATGGCGGGAAGGCTCACGGAGGCAATAATAACAAGTACAGCACGTTCTCG  
GGCTTTCTTGTACCCGAT

**ACGCGTACGCGGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG213000 representing NM\_182528  
 Red=Cloning site Green=Tags(s)

MALGLLLIAPVLLLQAAPRGAHYEMMGTCRMIWEPYTAAPGGEPGAKAHNPGPSTAALVEMQDLSANPP  
 PPFIQGPKGDPGRPGKPGPRPPGEPGPPGPRGPPGKGDSDSRPGLPGLQLTAGTASGVGVVGGGAGVGG  
 DSEGEVTSALSATFSGPKIAFYVGLKSPHEGYEVLFKDDVVVTLGNHYDPTTGKFSQVIRGIYFFTYHIL  
 MRGGDGTSMWADLCKNGQVRSASIAQDADQNYDYASNSVVLHLDSGDEVVYKLDGGKAHGGNNNKYSTFS  
 GFLLYPD

TRTRPLE - GFP Tag - V

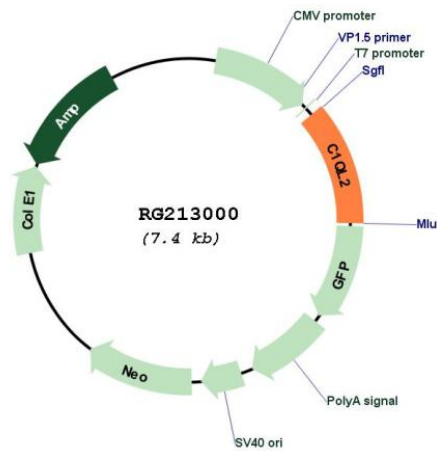
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_182528

**ORF Size:** 861 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_182528.2</a>
<b>RefSeq Size:</b>	2066 bp
<b>RefSeq ORF:</b>	864 bp
<b>Locus ID:</b>	165257
<b>UniProt ID:</b>	<a href="#">Q7Z5L3</a>
<b>Cytogenetics:</b>	2q14.2
<b>Protein Families:</b>	Secreted Protein
<b>Gene Summary:</b>	May regulate the number of excitatory synapses that are formed on hippocampus neurons. Has no effect on inhibitory synapses (By similarity).[UniProtKB/Swiss-Prot Function]