

## Product datasheet for **MG203279**

### C1ql3 (NM\_153155) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C1ql3 (NM_153155) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C1ql3
Synonyms:	1110065A22Rik; AI661623; C1ql; C1qtnf13; CTRP13; K100
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203279 representing NM_153155 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGCTTCTGCTGGTCATCCTCATCCCAGTCTGGTGAGCTCGGCCGGCACGTCCGCTCACTACGAGA  
TGCTGGGCACCTGCCGCATGGTCTGCGACCCCTATGGGGCACCAAGGCTCCCAGCACCGCCCACTCC  
GGACCGGGCCTTATGCAGTCCCTGCCACTTTCATCCAGGGTCCCAAAGGCGAGCCGGTAGGCCGGG  
AAGGCAGGCCCGCTGGCCCCCGGAGAGCCCGACCGCCGGGCCCGTGGGGCCCCGGGCGAGAAGG  
GAGAGCCGGTCCCAAGGCTTGCCCGGCCCGCTGGGGCGCCCGCCTGAACCGCGCCGGGCTATCAG  
TGCAGCCACCTATAGCACGGTGCCCAAGATCGCCTTTACGCTGGCCTCAAACGGCAGCAGCAAGGCTAC  
GAGGTGCTCAAGTTCGACGACGTGGTAACCAATCTCGGAAACCACTATGATCCCACCACGGCAAGTTCA  
CCTGCTCCATACCGGATCTACTTCTTACCTACCACGTCTGATGCGCGGAGGGGACGGCACCAGCAT  
GTGGGCTGATCTCTGCAAAAACAACAGGTGCGTGCTAGTGCAATTGCTCAAGATGCTGATCAGAATTAC  
GACTATGCCAGTAACAGTGTGGTCTTACCTGGAACCAGGAGATGAAGTCTATATCAAATTAGATGGTG  
GGAAAGCCACGGAGGAAACAACAATAACAGCACATTCTCTGGATTATTATTTATGCTGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203279 representing NM\_153155  
Red=Cloning site Green=Tags(s)

MVLLLVILIPVLVSSAGTSAHYEMLGTCRMVCDPYGGTKAPSTAATPDRGLMQSLPTFFIQGPKGEAGRPG  
 KAGPRGPPGEPGPPGVPVPPGKEGEPGRQGLPGPPGAPLNAAGAI SAATYSTVPKIAFYAGLKRQHEGY  
 EVLKFDDVVTNLGNHYDPTTGKFTCSIPGIYFFTYHVLMRGGDGTSMWADLCKNNQVRASAI AQDADQNY  
 DYASNSVVLHLEPGDEVYIKLDGGKAHGGNNNKYSTFSGFIIYAD

TRTRPLE - GFP Tag - V

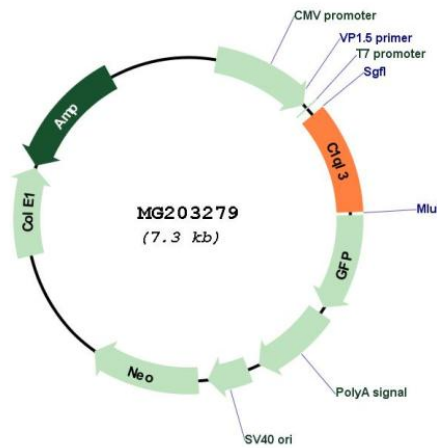
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_153155

**ORF Size:** 765 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_153155.2</a> , <a href="#">NP_694795.1</a>
<b>RefSeq Size:</b>	3163 bp
<b>RefSeq ORF:</b>	768 bp
<b>Locus ID:</b>	227580
<b>UniProt ID:</b>	<a href="#">Q9ESN4</a>
<b>Cytogenetics:</b>	2 A1
<b>Gene Summary:</b>	May regulate the number of excitatory synapses that are formed on hippocampus neurons. Has no effect on inhibitory synapses. Plays a role in glucose homeostasis. Via AMPK signaling pathway, stimulates glucose uptake in adipocytes, myotubes and hepatocytes and enhances insulin-stimulated glucose uptake. In a hepatoma cell line, reduces the expression of gluconeogenic enzymes G6PC and PCK1 and hence decreases de novo glucose production. [UniProtKB/Swiss-Prot Function]