

## Product datasheet for MC206299

### C1ql3 (BC024634) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C1ql3 (BC024634) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	C1ql3
Synonyms:	K100, C1ql
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC024634 GGGCGCTGGGGTGGTGATGGTGCTTCTGCTGGTCATCCTCATCCCGGTGCTGGTGAGCTCGGCCGGCAC GTCGGCTCACTACGAGATGCTGGGCACCTGCCGCATGGTCTGCGACCCCTATGGGGGCACCAAGGCTCCC AGCACCGCGCCACTCCGACCGGGCCTTATGCAGTCCCTGCCACTTTCATCCAGGGTCCCAAAGGCG AGGCCGGTAGGCCGGGAAGGCAGGCCCGCTGGGCCCGGAGAGCCCGGACCGCCGGGCCCCGTGGG GCCCGGGGCGAGAAGGGAGAGCCGGTGCCTAAGGCTTCCCGGCCCGCTGGGGCGCCCGCCTGAAC GCGGCCGGGCTATCAGTGCAGCCACTATAGCACGGTGCCCAAGATCGCCTTTTACGCTGGCCTCAAAC GGCAGCACGAAGGCTACGAGGTGCTCAAGTTCGACGACGTGGTAACCAATCTCGGAAACCACTATGATCC CACCACGGCAAGTTCACCTGCTCCATACCGGTATCTACTTCTTACCTACCACGTCTGATGCGCGGA GGGGACGGCACCAGCATGTGGGCTGATCTCTGCAAAAACAACCAGGTGCGTGCTAGTGAATTGCTCAAG ATGCTGATCAGAATTACGACTATGCCAGTAACAGTGTGGTCTTACCTGGAACCAGGAGATGAAGTCTA TATCAAATTAGATGGTGGGAAAGCCACGAGGAAACAACAACAATACAGCACATTCTCTGGATTATT ATTTATGCTGACTGATAATGCAGAGACTGAGCTTGTCTGAGTTTGAACGCTGGATTGCTATGGCTA ACGTGAGTGAATCAAGGATCCCAGGGGATGCCATTGCTGGGCATCTCAGTTGTGTAATGTGGGGAGAT CAAATGCTACCTGACTCACATCTGTATCACTCAGACACATTATGTAAAAAAAAAAAAAAAA
Restriction Sites:	EcoRI-NotI
ACCN:	BC024634
Insert Size:	768 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<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="#">BC024634</a> , <a href="#">AAH24634</a>
<b>RefSeq Size:</b>	970 bp
<b>RefSeq ORF:</b>	768 bp
<b>Locus ID:</b>	227580
<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]