

Product datasheet for MR203279

C1ql3 (NM_153155) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1ql3 (NM_153155) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C1ql3
Synonyms:	1110065A22Rik; AI661623; C1ql; C1qtnf13; CTRP13; K100
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203279 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC

ATGGTGCTTCTGCTGGTCATCCTCATCCCAGTCTGGTGAGCTCGGCCGGCACGTCCGCTCACTACGAGATGCTGGGCACCTGCCGCATGGTCTGCGACCCCTATGGGGCACCAAGGCTCCCAGCACCGCCCACTCCGGACCGGGCCTTATGCAGTCCCTGCCACTTTCATCCAGGGTCCCAAAGGCGAGCCGGTAGGCCGGG AAGGCAGGCCCGCTGGCCCCCGGAGAGCCCGACCGCGGGCCCGTGGGGCCCCGGGCGAGAAGG GAGAGCCGGTCCCAAGGCTTGCCCGCCCGCTGGGGCGCCCGCCTGAACCGCGCCGGGCTATCAG TGCAGCCACCTATAGCACGGTGCCCAAGATCGCCTTTACGCTGGCCTCAAACGGCAGCAGCAAGGCTAC GAGGTGCTCAAGTTCGACGACGTGGTAACCAATCTCGGAAACCACTATGATCCCACCACGGCAAGTTCA CCTGCTCCATACCGGGTATCTACTTCTTACCTACCACGTCTGATGCGCGGAGGGGACGGCACCAGCAT GTGGGCTGATCTCTGCAAAAACAACAGGTGCGTGCTAGTGCAATTGCTCAAGATGCTGATCAGAATTAC GACTATGCCAGTAACAGTGTGGTCTTACCTGGAACCAGGAGATGAAGTCTATATCAAATTAGATGGTG GGAAAGCCACGGAGGAAACAACAATAACAGCACATTCTCTGGATTATTATTTATGCTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203279 protein sequence
 Red=Cloning site Green=Tags(s)

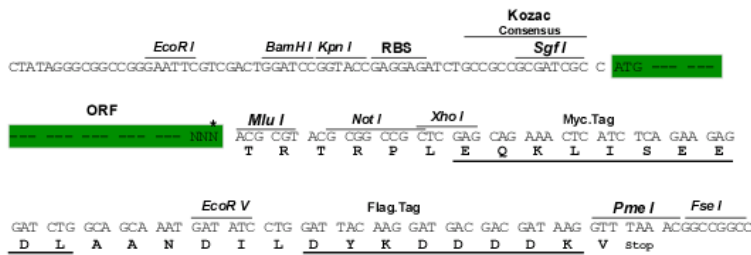
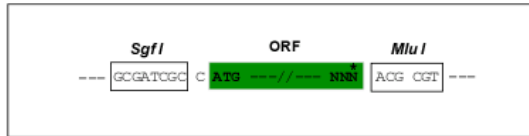
MVLLLVILIPVLVSSAGTSAHYEMLGTCRMVCDPYGGTKAPSTAATPDRGLMQSLPTFFIQGPKGEAGRPG
 KAGPRGPPGEPGPPGVPVGGPEKGEPRQGLGPPGAPGLNAAGAI SAATYSTVPKIAFYAGLKRQHEGY
 EVLKFDVVYTNLGNHYDPTTGKFTCSIPGIYFFTYHVLMRGGDGTSMWADLCKNNQVRASAI AQDADQNY
 DYASNSVVLHLEPGDEVYIKLDGGKAHGGNNNKYSTFSGFIIYAD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_153155

ORF Size: 768 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_153155.2](#), [NP_694795.1](#)

RefSeq Size: 3163 bp

RefSeq ORF: 768 bp

Locus ID: 227580

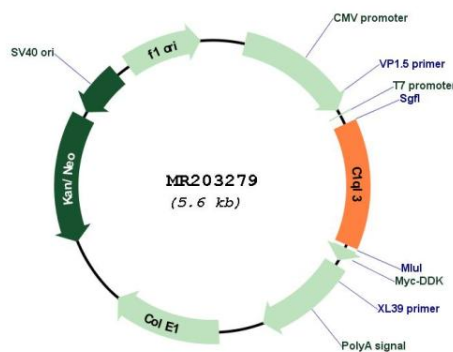
UniProt ID: [Q9ESN4](#)

Cytogenetics: 2 A1

MW: 26.7 kDa

Gene Summary: 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]

Product images:



Circular map for MR203279