OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC223500

C1QL3 (NM_001010908) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1QL3 (NM_001010908) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C1QL3
Synonyms:	C1ql; C1QTNF13; CTRP13; K100
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC223500 representing NM_001010908
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGCTGCTGCTGGTGATCCTCATCCCGGTGCTGGTGAGCTCGGCCGGCACGTCGGCGCACTACGAGA
TGCTGGGCACCTGCCGCATGGTCTGCGACCCCTACGGGGGCACCAAGGCGCCCAGCACCGCTGCCACGCC
CGACCGCGGCCTCATGCAGTCCCTGCCCACCTTCATCCAGGGCCCCAAAGGCGAGGCCGGCAGGCCCGGG
AAGGCGGGTCCGCGCGGGCCCCCCGGAGAGCCCGGGCCACCCGGCCCCATGGGGCCCCCGGGCGAGAAGG
GCGAGCCGGGCCGCCAAGGCCTGCCGGGCCCGCCCGGGGCGCCCGGCCTGAACGCGGCCGGGGCCATCAG
CGCCGCCACCTACAGCACGGTGCCCAAGATCGCCTTCTACGCCGGCCTCAAGCGGCAGCATGAAGGCTAC
GAGGTGCTCAAGTTCGACGACGTGGTCACCAACCTCGGAAACCACTACGACCCCACCACCGGCAAGTTCA
CCTGCTCCATCCCGGGCATCTACTTCTTCACCTACCACGTCCTGATGCGCGGAGGGGACGGCACCAGCAT
GTGGGCTGATCTCTGCAAAAACAACCAGGTGCGTGCTAGTGCAATTGCCCAAGATGCTGATCAGAATTAC
GACTATGCCAGTAACAGTGTGGTTCTTCATTTGGAGCCGGGAGATGAAGTCTATATCAAATTAGATGGCG
GGAAAGCCCATGGAGGAAACAACAACAAATACAGCACGTTTTCTGGATTTATTATTTATGCTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC223500 representing NM_001010908
Red=Cloning site Green=Tags(s)

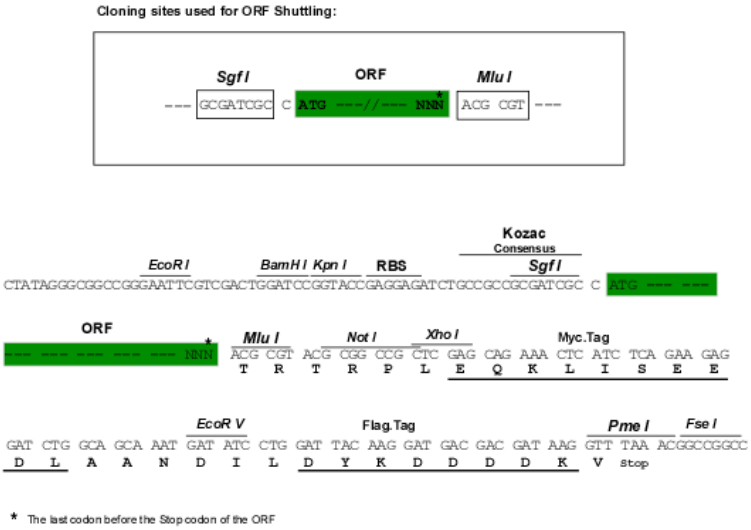
MVLLLVILIPVLVSSAGTSAHYEMLGTCRMVCDPYGGTKAPSTAATPDRGLMQSLPTFIQGPKGEAGRPG
KAGPRGPPGEPGPPGPMGPPGEKGEPGRQGLPGPPGAPGLNAAGAISAATYSTVPKIAFYAGLKRQHEGY
EVLKFDDVVTNLGNHYDPTTGKFTCSIPGIYFFTYHVLMRGGDGTSMWADLCKNNQVRASAIAQDADQNY
DYASNSVVLHLEPGDEVYIKLDGGKAHGGNNNKYSTFSGFIIYAD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8047_e03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001010908

ORF Size: 765 bp

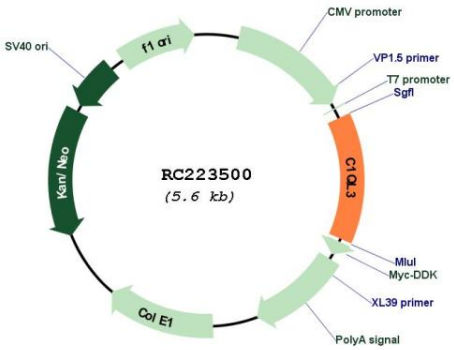
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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

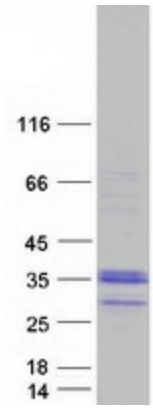
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001010908.2
RefSeq Size:	2493 bp
RefSeq ORF:	768 bp
Locus ID:	389941
UniProt ID:	Q5VWW1
Cytogenetics:	10p13
Protein Families:	Secreted Protein
MW:	26.5 kDa
Gene Summary:	May regulate the number of excitatory synapses that are formed on hippocampus neurons. Has no effect on inhibitory synapses (By similarity). 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC223500



Coomassie blue staining of purified C1QL3 protein (Cat# [TP323500]). The protein was produced from HEK293T cells transfected with C1QL3 cDNA clone (Cat# RC223500) using MegaTran 2.0 (Cat# [TT210002]).