

## Product datasheet for **MR204043**

### C1qtnf2 (NM\_026979) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C1qtnf2 (NM_026979) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C1qtnf2
Synonyms:	1810033K05Rik; CTRP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204043 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACAATTTTTAAAAAGGTGACAACCATGATCTCCTGGGTACTCTTGGCCTGTGCCCTTCCGTGTGCTG  
CTGACCCAATGCTTGGTGCCTTTGCTCGCAGGGACTTCCAGAAGGGGGTCTCAACTAGTTTGCAGCCT  
GCCTGGTCCCAAGGCCACCTGGCCCTCCAGGAGCACCAGGATCCTCAGGAGTGGTGGGAAGAATGGGT  
TTCCCTGGGAAAGACGGCCAAGATGGCCAGGACGGAGACCGGGGGACAGTGGAGAAGAAGGTCCACCTG  
GCAGGACAGGCAACCGTGAAAAACAAGACCAAAGGGCAAAGCTGGGGCCATTGGCAGAGCTGGCCCTCG  
AGGACCCAAGGGGGTCAAGTGGTACCCCGGGAAGCATGGCACACCGGGCAAGAAGGGACCTAAGGGCAAA  
AAAGGGGAGCCTGGCCTCCCAGGCCCTGCAGCTGCGGCAAGTAGCCGAGCCAAGTCGGCCTTTTCCGTGG  
CGGTAACCAAGAGCTACCCACGCGAGCGACTGCCTATCAAGTTTGACAAGATTCTGATGAACGAGGGTGG  
CCACTACAACGCGTCCAGTGGTAAGTTCGTCTGCAGCGTCCGGGGATCTATTACTTTACCTATGACATT  
ACGCTGGCCAACAACACCTGGCCATCGGCCTGGTGCACAATGGTCAATACCGCATTCCGACTTTTGATG  
CCAACACGGGCAACCACGACGTGGCCTCGGGTCCACCATCCTAGCTCTCAAGGAGGGTATGAAGTCTG  
GCTGCAGATCTTCTACTCAGAGCAGAATGGCCTCTTCTACGACCTTACTGGACCGACAGCCTGTTACCC  
GGCTTCTCATCTACGCTGACCAAGGAGACCCCAACGAGGTA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR204043 protein sequence  
Red=Cloning site Green=Tags(s)

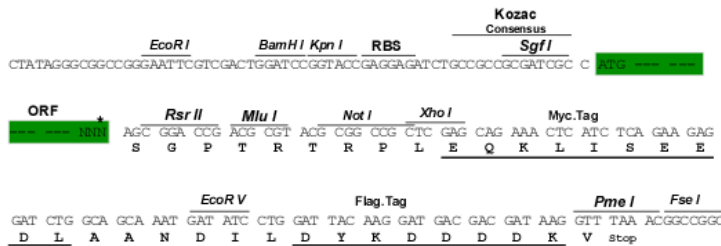
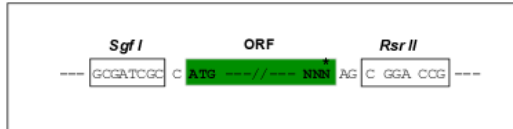
```
MTIFKKVTTMISWLLACALPCAADPMLGAFARRDFQKGGPQLVCSLPGPQGGPPGPPGAPGSSGVVGRMG
FPGKDGQDGDGRDGSGEEGPPGRTGNRGKQGPKGKAGAI GRAGPRGPKGVSGTPGKHGTPGKKGPKGK
KGEPGLPGPCSCGSSRAKSAFSAVTKSYPRERLPIKFDKILMNEGHHYNASSGKFVCSVPGIYYFYDYI
TLANKHLAIGLVHNGQYRIRTFDANTGNHDVASGSTILALKEGDEVWLQIFYSEQNGLFYDYPYWTDSLFT
GFLIYADQGD PNEV
```

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_026979

**ORF Size:** 885 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](mailto: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\\_026979.2](#)

**RefSeq Size:** 1211 bp

**RefSeq ORF:** 885 bp

**Locus ID:** 69183

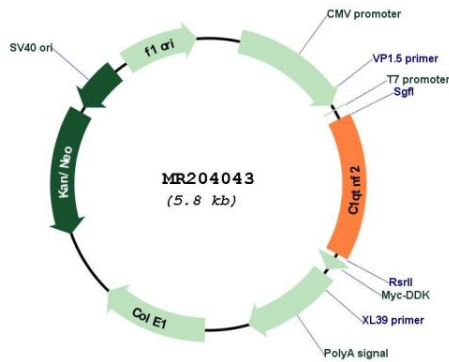
**UniProt ID:** [Q9D8U4](#)

**Cytogenetics:** 11 B1.1

**MW:** 30.9 kDa

**Gene Summary:** Involved in the regulation of lipid metabolism in adipose tissue and liver.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR204043