

## Product datasheet for MR217017

### C1qtnf4 (NM\_026161) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C1qtnf4 (NM\_026161) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** C1qtnf4  
**Synonyms:** 0710001E10Rik; 9430004J15Rik; CTRP4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR217017 representing NM\_026161  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGCTGCTCTTGGTGGGCTTCTAGGCCGGCGGCCTGCTGGGCACTGGGCCGGCTGGCCCTGGCT  
 CCTCGGAGCTGCGGTGAGCCTTCTCGGCGGCTCGACCACCCGCTGGAGGGCACGTGGAGATGGCGGT  
 GACCTTCGACAAGGTGTACGTGAACATCGGGGTGACTTCGACGCAGCCACGGGGCGTTCCGCTGTCGC  
 GTGCCGGGCGCTACTTCTCTCTTACGGCCGGCAAGGCCCGCACAGAGCCTGTCGGTGATGCTGG  
 TGCGCAACCGCGACGAGGTGCAGGCGTGGCTTTCGACGAGCAGCGACGGCCAGGCGCGCGCGCGCGC  
 CAGCCAGAGCGCCATGCTGCAGCTCGACTACGGCGACACGGTGTGGCTGCGGCTGCACGGCGCTCCGCG  
 TACGCGCTCGGCGCGCCGGGCGCCACCTTCAGCGGCTACCTGGTGTACGCGGACGCCGACGCCGACGCG  
 CTGCGCGCGGCCCGCGGCCCGGAGCCGCGCTCGGCCTTCTCCGCGGCGCGCACGCGCAGCCTGGTGGG  
 CTCGGACGCCCGCCCGGCCCGCCACCGGCCGTTGGCCTTCGACCCGAGCTGGTAAACATAGGTGGC  
 GACTTCGACGCGGCGGCCGGCGTGTCCGCTGCCGCTGCCGGGAGCCTATTTCTCTCTTACGCTGG  
 GCAAGCTGCCGCGCAAGACGCTGTCGGTGAAGCTGATGAAGAACCAGCGACGAGGTGCAGGCCATGATTA  
 CGACGACGGCGCTTCGAGGCGCGTGAGATGCAGAGTCAGAGCGTGATGCTGCCGCTGCGCGCGGCGAC  
 GCCGTCTGGCTACTTAGCCACGATCAGGATGGCTATGGCGCTACAGCAACCACGGCAAGTACATCACTT  
 TCTCAGGCTTCTGGTGTACCCTGACCTCGCCGCGCGGCCCGCCCGGCCCTCAAGCCCCAGAGCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR217017 representing NM\_026161  
Red=Cloning site Green=Tags(s)

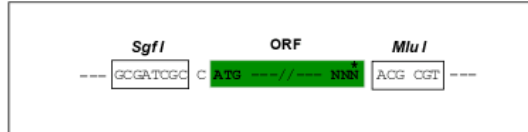
MLLLLLGFLGPAACWALGPAGPGSSELRSFA SAARTTPLEGTSEMAVTFDKVYVNI GGDFDAATGRFRCR  
 VPGAYFFSFTAGKAPHKSL SVMLVRNRDEVQALAFDEQRRPGARRAASQSAMLQLDYGDTVWLR LHGAPQ  
 YALGAPGATFSGYL VYADADADAPARGPAAPEPRSAF SAARTRSLVGS DAAPGPRHRPLAFDTEL VNI GG  
 DFDAAGVFRCLPGAYFFSFTL GKLPRKTL SVKLMKNRDEVQAMIYDDGASRRRREMQSQSVMLPLRRGD  
 AVWLLSHDHDGYGAYS NHGKYITFSGFLVYPDLAAAGPPALKPPEL

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\_026161

**ORF Size:** 978 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\\_026161.3](#), [NP\\_080437.2](#)

**RefSeq Size:** 1383 bp

**RefSeq ORF:** 981 bp

**Locus ID:** 67445

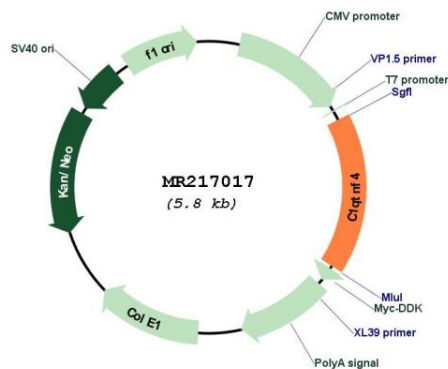
**UniProt ID:** [Q8R066](#)

**Cytogenetics:** 2 E1

**MW:** 35.1 kDa

**Gene Summary:** May be involved in the regulation of the inflammatory network. The role as pro- or anti-inflammatory seems to be context dependent (By similarity). Seems to have some role in regulating food intake and energy balance when administered in the brain. This effect is sustained over a two-day period, and it is accompanied by decreased expression of orexigenic neuropeptides in the hypothalamus 3 h post-injection (Probable).  
[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR217017