

## Product datasheet for **RR214758**

### C1qtnf4 (NM\_001107745) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C1qtnf4 (NM_001107745) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C1qtnf4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR214758 representing NM_001107745 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGCTCCTCCTGCTCGGCTTCTAGGCCCGGTGGCCTGCTGGGCACTGGGCCGGCTGGGCCTGGCT  
CCTCGGAGCTGCGGTGAGCCTTCTCGGCCGCTCGCACCACCCACTGGAGGGCACGTCCGAGATGGCGGT  
GACCTTCGACAAGGTATACGTGAACATCGGAGGTGACTTCGACGCAGCCACCGGGAGGTTCCGCTGTCCG  
GTGCCCCGGCGCTATTTCTTCTCCTTACAGCGGGCAAGGCCCGCATAAGAGCCTGTCGGTGATGCTGG  
TGCACAACCGCGACGAGGTGACGGCGTGGCCTTCGACGAGCAGCGCGGCCGGCGCACGGCGCGCCG  
CAGCCAGAGTGCCATGCTGCAGCTCGACTACGGCGACACGGTGTGGCTGCGGCTGCACGGCGCCCGCAG  
TACGCGCTCGGCCGCGCCGGCGCCACCTTTAGCGGCTACCTGGTGTACGCGGACGCCGATGCTGACGCGC  
CTGCGCGCGGCCCGCAGCCCTGGAGCCGCGCTCGGCCTTCTCCGCGGCGCGCACGCGCAGCCTGGTGGG  
CTCGGACGCGGGACCCGGACCGGCCACCGGCCGCTGGCCTTCGACACCGAGCTGGTAAACATAGGCGGC  
GACTTCGACGCGGCGGCCGGCGTGTCCGCTGCCGCTACCGGGAGCCTATTTCTTCTCCTTACGCTGG  
GCAAGCTGCCGCGCAAGACGCTGTCGGTGAAGCTGATGAAGAACCAGCGACGAGGTGCAGGCCATGATTTA  
CGACGATGGCGCTTCGAGGCGCCGTGAGATGCAGAGTCAGAGCGTGATGCTGCCACTGCAGCGTGGCGAT  
GCCGTCTGGCTGCTTAGCCACGATCATGATGGCTATGGCGCTACAGCAACCACGGCAAGTACATCACTT  
TCTCTGGCTTCTGGTGTACCCTGACCTCACTGCTGCCTCCCCGCGGCCCTCAAGCCCCAGAGCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RR214758 representing NM\_001107745  
 Red=Cloning site Green=Tags(s)

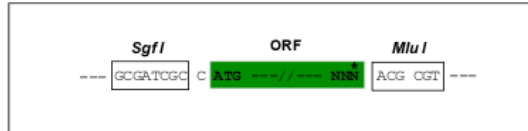
MLLLLLGFLGPVACWALGRAGPGSSELRSFAAARTTPLEGTSEMAVTFDKVYVNIIGGDFDAATGRFRCR  
 VPGAYFFSFTAGKAPHKSLSVMLVRNRDEVQALAFDEQRRPGARRAASQSAMLQLDYGDTVWLRHLHGAPQ  
 YALGAPGATFSGYLVYADADADAPARGPAALEPRSAFSAARTSLVGSADAGPGRHRPLAFDTEL VNIIGG  
 DFDAAGVFRCLPGAYFFSFTLGLKLPKRTL SVKLMKNRDEVQAMIYDDGASRRREM QSQSVMLPLQRGD  
 AVWLLSHDHDGYGAYSNHGKYITFSGFLVYPDLTAASPPALKPPEL

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\_001107745

**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\\_001107745.1](#), [NP\\_001101215.1](#)

**RefSeq Size:** 1348 bp

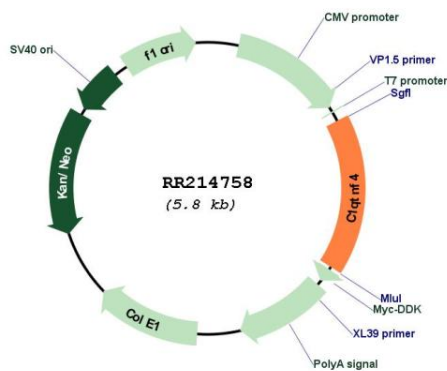
**RefSeq ORF:** 981 bp

**Locus ID:** 311184

**Cytogenetics:** 3q24

**MW:** 35.2 kDa

**Product images:**



Circular map for RR214758