

Product datasheet for **RR210324**

C1qtnf7 (NM_001107221) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C1qtnf7 (NM_001107221) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: C1qtnf7
Synonyms: Ctrp7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR210324 representing NM_001107221
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGATTGTCTGCTCTACGTGACAAGTCTTGCCATCTGTGCAAGTGGACAACCTCGGGCAATCAGGCTA
AGGGGGAGAGCTACTCTCCAAGGTACATCTGCAGCATCCCTGGCTTACCTGGCCCCCAGGTCCTCTGG
AGCAAATGGCTCCCCTGGACCCCATGGTCGCATTGGCCTTCTGGAAGGGATGGTAGAGATGGCAGAAAA
GGAGAGAAGGGGAAAAGGGCACTGCAGGTCTAAAAGGTAAGACTGGACCCTGGCCTTGCTGGTGAGA
AAGGAGACCAAGGAGAGACTGGGAAGAAAGGACCCATAGGACCAGAGGGTGAAGAAAGGAGAAGTTGGTCC
AGCTGGGCCTCCTGGGCCAAAGGGAGACCGAGGAGATCAAGGGGACCCAGGACTGCCTGGAGTGTGCAGA
TGTGGAAGCATCGTGCTCAAATCTGCCTTTTCAGTTGGCATCACAAACAGCTACCCAGAAGAAAGACTAC
CCATCATATTTAACAAGTCTCTTCAATGAGGGGGAGCACTACAACCCTGCAACAGGGAAGTTCAATTTG
TGCTTTCCAGGGATCTATTATTTTCTTATGATATCACGTTGGCCAATAAGCACCTAGCCATCGGGCTG
GTGCACAATGGGCAGTACCGGATAAGGACCTTTGATGCCAACACAGGGAACACGATGTGGCTTCAGGGT
CCACAGTCATCTACCTGCAGCCAGAAGATGAGGTCTGGCTGGAGATTTTCTTCAATGACCAGAATGGCCT
CTTCTCAGATCCAGGCTGGGCAGACAGCTTGTCTCCGGGTTTCTCTCTATGTTGATACAGATTACCTG
GATTCTATATCAGAAGACGATGAGTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210324 representing NM_001107221
 Red=Cloning site Green=Tags(s)

MIVLLYVTSLAICASGQPRGNQAKGESYSPRYICSIPLPGPPGPPGANGSPGPHGRIGLPGRDGRDGRK
 GEKGEKGTAGLKGKTGPLGLAGEKGDQGETGKKGPIGPEGEKGEVGPAGPPGPKGDRGDQDPLPGVCR
 CGSIVLKSAFVSGITTSYPEERLPPIIFNKVLFNEGEHYNPATGKFCFAFPGIYYFSYDITLANKHLAIGL
 VHNGQYRIRTFDANTGNHDVASGSTVIYLQPEDEVWLEIFFNDQNLGFLSDPGWADSLFSGFLLYVDTDYL
 DSISEDEL

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_001107221

ORF Size: 867 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_001107221.1](#), [NP_001100691.1](#)

RefSeq Size: 1336 bp

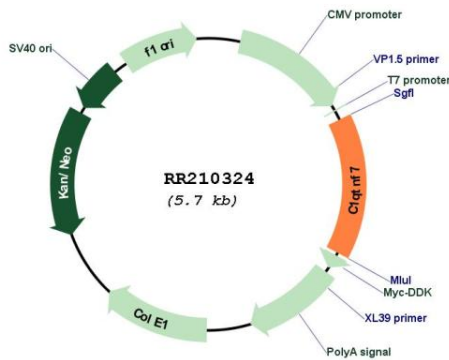
RefSeq ORF: 870 bp

Locus ID: 305423

Cytogenetics: 14q21

MW: 30.5 kDa

Product images:



Circular map for RR210324