

## Product datasheet for RC205522

### CTRP7 (C1QTNF7) (NM\_031911) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CTRP7 (C1QTNF7) (NM_031911) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CTRP7
Synonyms:	CTRP7; ZACRP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205522 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC

ATGTTTGTCTTGCTCTATGTTACAAGTTTTGCCATTTGTGCCAGTGGACAACCCCGGGTAATCAGTTGA  
AAGGAGAGAACTACTCCCCAGGTATATCTGCAGATTCTGGCTTGCCTGGACCTCCAGGGCCCCCTGG  
AGCAAATGGTTCCCCTGGGCCCATGGTCGCATCGGCCTCCAGGAAGAGATGGTAGAGACGGCAGGAAA  
GGAGAGAAAGGTAAAAGGGAAGTGCAGTTTTGAGAGTAAGACTGGACCGCTAGGTCTTGCCGGTGAGA  
AAGGGGACCAAGGAGAGACTGGGAAGAAAGGACCCATAGGACCAGAGGGAGAGAAAGGAGAAGTAGTCC  
AATTGGTCTCTGGACCAAGGGAGACAGAGGAGAACAAGGGGACCCGGGGCTGCCTGGAGTTTGCAGA  
TGTGGAAGCATCGTGCTCAAATCCGCCTTTTCTGTTGGCATCACAAACCAGCTACCCAGAAGAAAGACTAC  
CTATTATATTTAACAAGTCTCTTCAACGAGGGAGAGCACTACAACCCTGCCACAGGGAAGTTTCTCTG  
TGCTTTCCAGGGATCTATTACTTTTCTTATGATATCACATTGGCTAATAAGCATCTGGCAATCGGACTG  
GTACACAATGGGCAATACCGGATAAAGACCTTCGACGCCAACACAGGAAACCATGATGTGGCTTCGGGGT  
CCACAGTCATCTATCTGCAGCCAGAAGATGAAGTCTGGCTGGAGATTTTCTTACAGACCAGAATGGCCT  
CTTCTCAGACCCAGGTTGGCAGACAGCTTATTCTCCGGGTTTCTTATACGTTGACACAGATTACCTA  
GATTCATATCAGAAGATGATGAATTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC205522 protein sequence  
Red=Cloning site Green=Tags(s)

MFVLLYVTSFAICASGQPRGNQLKGENYSPRYICSIPLPGPPGPPGANGSPGPHGRIGLPGRDGRDGRK  
 GEKGEKGTAGLRGKTGPLGLAGEKGDQGETGKKGPIGPEGEKGEVPIGPPGPKGDRGEQGDPLPGVCR  
 CGSIVLKSAFVSGITTSYPEERLPPIIFNKVLFNEGEHYNPATGKFCAFPGIYYFSYDITLANKHLAIGL  
 VHNGQYRIKTFDANTGNHDVASGSTVIYLQPEDEVWLEIFFTDQNGLFSDPGWADSLFSGFLLYVDTDYL  
 DSISEDDEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6771\\_e05.zip](https://cdn.origene.com/chromatograms/mk6771_e05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_031911

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_031911.5](#)

**RefSeq Size:** 4360 bp

**RefSeq ORF:** 870 bp

**Locus ID:** 114905

**UniProt ID:** [Q9BXJ2](#)

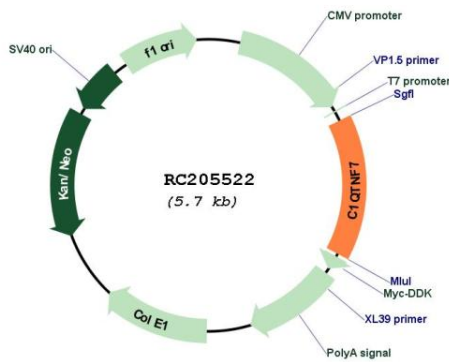
**Cytogenetics:** 4p15.32

**Domains:** C1Q, Collagen

**Protein Families:** Secreted Protein

**MW:** 30.7 kDa

**Product images:**



Circular map for RC205522