

## Product datasheet for **SC322667**

### CTRP4 (C1QTNF4) (NM\_031909) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CTRP4 (C1QTNF4) (NM\_031909) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CTRP4  
**Synonyms:** CTRP4; ZACRP4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for SC322667  
TCGCGGGCTCAGACCGAACCCGACTCGACCGCCGCCCCAGCCAGGCGCCATGCTGCCCG  
TTCTGCTGGGCTGCTGGGCCAGCGGCTGCTGGGCCCTGGGCCGACCCCGGCCCGG  
GATCCTCTGAGCTGCGCTCGGCCTTCTCGCGGCACGCACACCCCTGGAGGGCACGT  
CGGAGATGGCGGTGACCTTCGACAAGGTGTACGTGAACATCGGGGGCAGCTTCGATGTGG  
CCACCGGCCAGTTTCGCTGCCGCGTGCCCGGCGCCTACTTCTTCTCCTTACGGGTGGCA  
AGGCCCCGCACAAGAGCCTGTCCGTGATGCTGGTGCGAAACCGCGACGAGGTGCAGGCGC  
TGGCCTTCGACGAGCAGCGGGCCAGGCGCGCGCGCAGCCAGCCAGAGCGCCATGC  
TGCAGCTCGACTACGGCGACACAGTGTGGCTGCGGCTGCATGGCGCCCGCAGTACGCGC  
TAGGCGCGCCCGGCCACCTTACGCGGCTACCTAGTCTACGCCAGCCGACGCTGACG  
CGCCTGCGCGCGGCCCGCCCGCCCGAGCCGCGCTCGGCCTTCTCGGCGGCGCGCA  
CGCGCAGCTTGGTGGGCTCGGACGCTGGCCCCGGGCCGCGCACCAACCACTCGCCTTCG  
ACACCGAGTTCGTCAACATTGGCGGCGACTTCGACGCGGCGGCCGGCGTGTCCGCTGCC  
GTCTGCCCGGCGCCTACTTCTTCTCCTTACGCTGGGCAAGCTGCCGCGTAAGACGCTGT  
CGGTAAAGCTGATGAAGAACCAGCGACGAGGTGCAGGCCATGATTTACGACGACGGCGCGT  
CGCGGCGCCGAGATGCAGAGCCAGAGCGTGTGCTGGCCCTGCGGCGCGGCGACGCCG  
TCTGGCTGCTCAGCCACGACCAGACGGCTACGGCGCCTACAGCAACCACGGCAAGTACA  
TCACCTTCTCCGGCTTCTGGTGTACCCCGACCTCGCCCCGCGCCCGCCGGGCGCTCG  
GGCCTCGGAGCTACTGTGAGCCCGGGCCAGAGAAGAGCCCGGGAGGGCCAGGGCGGTG  
CATGCCAGGCCCGGCCGAGGCTCGAAAGTCCCGCGCAGCGCCACGGCTCCGGGCGCG  
CCTGGACTCTGCCAATAAAGCGGAAAGCGGGCACGCGCAGCGCCCGCAAAAAAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_031909



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_031909.1</a></u> , <u><a href="#">NP_114115.1</a></u>
<b>RefSeq Size:</b>	1393 bp
<b>RefSeq ORF:</b>	990 bp
<b>Locus ID:</b>	114900
<b>UniProt ID:</b>	<u><a href="#">Q9BXJ3</a></u>
<b>Cytogenetics:</b>	11p11.2
<b>Domains:</b>	C1Q
<b>Protein Families:</b>	Secreted Protein
<b>Gene Summary:</b>	May be involved in the regulation of the inflammatory network. Its role as pro- or anti-inflammatory seems to be context dependent (PubMed:21658842, PubMed:27086950). 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 (By similarity). [UniProtKB/Swiss-Prot Function]