

Product datasheet for **SC106847**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_031909, the custom clone sequence may differ by one or more nucleotides

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ATGCTGCCGCTTCTGCTGGGCTGCTGGGCCAGCGGCTGCTGGGCCCTGGGCCGACCCCGGCCGG
GATCCTCTGAGCTGCGCTCGGCCTTCTCGGCGGCACGCACCACCCCTGGAGGGCACGTCGGAGATGG
GGTGACCTTCGACAAGGTGTACGTGAACATCGGGGGCGACTTCGATGTGGCCACCGGCCAGTTTCGCTG
CGCGTGCCCGGCGCCTACTTCTTCTCCTTACGGCTGGCAAGGCCCGCACAAAGAGCCTGTCGGTGATGC
TGGTGCGAAACCGCGACGAGGTGCAGGCGCTGGCCTTCGACGAGCAGCGCGGCCAGGCGCGGGCGCG
AGCCAGCCAGAGCGCCATGCTGCAGCTCGACTACGGCGACACAGTGTGGCTGCGGCTGCATGGCGCCCC
CAGTACCGCTAGGCGCGCCCGGCGCCACCTTCAGCGGCTACCTAGTCTACGCCGACGCCGACGCTGACG
CGCCTGCGCGCGGGCCGCGCCCGGAGCCGCGCTCGGCCTTCTCGGCGGCGCGCACGCGCAGCTT
GGTGGGCTCGGACGCTGGCCCCGGGCGCGCACCAACCACTCGCCTTCGACACCGAGTTCGTCAACATT
GGCGGGGACTTCGACGCGGCGGGCGCGTGTTCGCTGCGCTGCCCCGGCGCCTACTTCTTCTCCTTCA
CGCTGGGCAAGCTGCCGCGTAAGACGCTGTGCGTTAAGCTGATGAAGAACCAGCGACGAGGTGCAGGCCAT
GATTTACGACGACGGCGCGTTCGCGGCGCCGAGATGCAGAGCCAGAGCGTGATGCTGGCCCTGCGGCGC
GGCGACGCCGTGGCTGCTCAGCCACGACCACGACGGCTACGGCGCCTACAGCAACCACGGCAAGTACA
TCACCTTCTCCGGCTTCTGTTGTAACCCGACCTCGCCCCCGCCCGCCCGGGGCTCGGGGCTCGGA
GCTACTGTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_031909 unedited</p> <pre>CGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGCCCTGCCGACGCGGGCGG TCAGCGCGCAGCCCGGCACCCGACGCTGCAGCCTGCAGCCCGCAGCCCGAGCCCGGAG CCAGATCGCGGGCTCAGACCGAACCCGACTCGACCGCCGCCCCAGCCAGGCGCCATGCT GCCGCTTCTGCTGGGCTGCTGGGCCAGCGGCTGCTGGGCCCTGGGCCGACCCCGG CCCGGGATCCTCTGAGCTGCGCTCGGCTTCTCGCGGCACGCACACCCCTGGAGGG CAGTTCGGAGATGGCGGTGACCTTCGACAAGGTGTACGTGAACATCGGGGGCGACTTCGA TGTGCCACCCGGCAGTTTCGCTGCCGCGTGCCGCGCCTACTTCTTCTCCTTACGGC TGGCAAGGCCCCGCACAAGACCTGTGCGTGATGCTGGTGCAAACCGGACGAGGTGCA GGCGCTGGCCTTCGACGAGCAGCGGCGGCCAGGCGCGCGCGCAGCCAGCCAGAGCGC CATGCTGCAGCTCGACTACGGCGACACAGTGTGGCTGCGGCTGCATGGCGCCCGCAGTA CGCGCTAGGCGCGCCCGGCGCCACCTTCAGCGGCTACCTAGTCTACGCCGACGCCGACGC TGACGCGCTGCGCGGGCCCGCCGCCCCGAGCCGNGCTCGGGCTTCTCGCGGGC GCGCACGCGGGCTTGGNTGGCTCGGACGCTGGCCCCGNGCCGNGNACAACCACTCGCC TCGACACCGAGNTCGTCACATTGGCCGCGACTTCNACGCGGCGCNCGCCGTTGTTGCTG CCGTCTTGCCGGCGCCTACTTNTTCTACGCTGGGACGCTGCCGCGTAGACCCTGGC GGTAAGCTGAAGAGAACGGAAAGGGGAGCCTGATTACAACAACGGCGCTCCCGGGCC GAAATGCAACCAAGAGGTAGCTG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_031909 unedited</p> <pre>CCTGCTGCCGGGCGCTGCGCGTGCCCGCTTTCGCTTNTTTGGCAGAGTCCAGGCGGCC CGGAGGCCGTGGCGCTCGCGGGGACTTTCGAGCCTCGGGCCCGCCTGGCATGCACGCC CCTGGCCCTCCCGGGCTTCTCTGCCCCGGGGCTCACAGTAGCTCCGAGCCCCGAGGC CCGGCGGGGCGGGGGCGAGGTCGGGGTACACCAGGAAGCCGAGAAGGTGATGTA TGGCGTGGTTGCTGTAGGCGCCGTAGCCGTGCTGGTCTGAGCAGCCAGACGGCGT CGCCGCGCCGAGGGCCAGCATCACGCTCTGGCTCTGCATCTCGCGGCGCCGCGACGCGC CGTCGTCGTAATCATGGCCTGCACCTCGTCGCGGTTCTTCATCAGCTTAACCGACAGCG TCTTACGCGGCAGCTTGCCAGCGTGAAGGAGAAGAAGTAGGCGCCGGGCGAGCGGCAGC GGAACACGCCGGCCCGCGCTCGAAGTCGCCGCAATGTTGACGAACTCGGTGTCNAAGG CGAGTGGTTGGTCCCGCGGCCCGGGGCCAGCGTCCGAGCCACCAAGCCGCGCTGCGCG CCGCCGAGAAGGCCGAGCGCGGCTCGGGGGCGCGGGCGCCCGCGCGCANGCGCTCAN CGTCGGCGTGGCGTAACTAGGTAGCCGCTGAAGGTGGCGCCGGCGCGCCTANCGCGT ACTGCGGGGCGCCATGCAGCCGACGACACTGTGTCGCCGTAGTCGAGTGCAGCATGG CGCTCTGGCTGGCTGCGCGCCGCGCGCTGGCCGNCGCTGCTCGTCNAGGCCANCGCCTG CCACTNGTCCCGGTTTCCCCAGCATACCGACAGGCCTCTGGCCGGGCTGCCCGCCG GGAAGGAAAAAATTAGCGCGGGGCCCGCCANCAAACTGGCCGTGGGCCA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_031909
Insert Size:	1360 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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_031909.1 , NP_114115.1
RefSeq Size:	1393 bp
RefSeq ORF:	990 bp
Locus ID:	114900
UniProt ID:	Q9BXJ3
Cytogenetics:	11p11.2
Domains:	C1Q
Protein Families:	Secreted Protein
Gene Summary:	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]