

Product datasheet for **RG221551**

CTRP2 (C1QTNF2) (NM_031908) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTRP2 (C1QTNF2) (NM_031908) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CTRP2
Synonyms:	CTRP2; zacrp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221551 representing NM_031908 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAAACTATGCCTGGGGCCGACGCTCTGCCGGCTGCTGCCGCTGAGGAAAGCCGGGACGCGGAGC
CCCGCCGAGAGCTTTCTTGGCTCCGGACGCCCTGGACGTGGCGGGCAGCCGCGAGGGTAACCACCATGAT
CCCCTGGGTGCTCCTGGCTGTGCCCTCCCTGTGCTGCTGACCCACTGCTTGGCGCTTTGCTCGCAGG
GACTTCCGAAAGGCTCCCCTCAACTGGTCTGCAGCCTGCCTGGCCCCAGGGCCACCCGGCCCCCAG
GAGCCCCAGGGCCCTCAGGAATGATGGGACGAATGGGCTTTCCTGGCAAAGACGGCAAGATGGACACGA
CGGCGACCGGGGGACAGCGGAGAGGAAGTCCACCTGGCCGGACAGGTAACCGGGAAAGCCAGGACCA
AAGGGCAAAGCCGGGGCCATTGGGCGGGCTGGCCCCGTGGCCCCAAGGGGGTCAACGGTACCCCGGGGA
AGCATGGCACACCAGGCAAGAAGGGGCCAAGGGCAAGAAGGGGGAGCCAGGCCTCCAGGCCCTCGAG
CTGTGGCAGTGGCCATACCAAGTCAGCTTCTCGGTGGCAGTGACCAAGAGCTACCCACGGGAGCGGCTG
CCCATCAAGTTTGACAAGATTCTGATGAACGAGGGTGGCCACTACAATGCTTCCAGCGGCAAGTTCGTCT
GCGGCGTGCCTGGGATCTACTACTTCACCTACGACATCACGCTGGCCAACAAGCACCTGGCCATCGGCT
GGTGACAACGGCCAGTACCGCATCCGGACCTTTGATGCCAACACCGGCAACCACGATGTGGCCTCAGGC
TCCACCATCCTGGCTCTCAAGCAGGGTGACGAAGTTTGGCTGCAGATCTTCTACTCAGAGCAGAACGGGC
TCTTCTATGACCCTTACTGGACAGACAGCCTTTACGGGCTTCCTAATCTATGCCGACCAGGATGACCC
CAACGAGGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG221551 representing NM_031908
 Red=Cloning site Green=Tags(s)

MGKLC LGPTLC PAAAAEESRDAEPRRELLCSGRPWTWRAAARVTTMIPWVLLACALPCAADPLLGFARR
 DFRKGGSPQLVCSLPGPQGGPPGPPGAPGPGSGMMGRMGFPKGDGQDGHGDGRDGSGEEGPPGRTGNRGKPGP
 KGKAGAI GRAGPRGPKGVNGTPGKHGTPGKKGPKGKKGEPGLPGPCSCGSGHTKSAF SVAVTKSYPRERL
 PIKFDKILMNEGGHYNASSGKFVCGVPGIYYFTYDITLANKHLAIGLVHNGQYRIRTFDANTGNHDVASG
 STILALKQGDEVWLQIFYSEQNGLFYDPYWTDSLFTGFLIYADQDDPNEV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_031908

ORF Size: 990 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_031908.4](#), [NP_114114.2](#)

RefSeq Size: 2411 bp

RefSeq ORF: 858 bp

Locus ID: 114898

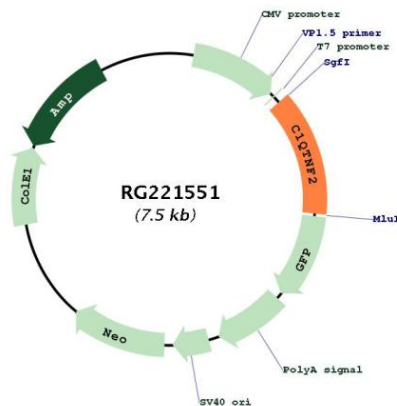
UniProt ID: [Q9BXJ5](#)

Cytogenetics: 5q33.3

Protein Families: Secreted Protein

Gene Summary: Involved in the regulation of lipid metabolism in adipose tissue and liver.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG221551