

## Product datasheet for **RC228803**

### QPCTL (NM\_001163377) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** QPCTL (NM\_001163377) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** QPCTL  
**Synonyms:** gQC  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC228803 representing NM\_001163377  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCGTCCGGGGCCGCGGGGACCCCGCTGCGGCTGGGGAACTGGCCTCATGGAGCCACTTTGC  
 CGCCGAAGCGCCGCTGCTACCGCGGTTTCGGCTCTTGCCTCTGTTGCTGGCGCTGGCCGTGGGCTCGGC  
 GTTCTACACCATTTGGAGCGGCTGGCACCAGGACTGAGGAGCTGCCGCTGGCCGGGAGCTCGGGTC  
 CCATTGATCGGAAGCCTCCCGAAGCCCGGCTGCGGAGGGTGGTGGACAACCTGGATCCACAGCGTCTCT  
 GGAGCACTTATCTGCGCCCCCTGCTGGTGTGCGAACCCTGGGAGCCCGGAAATCTCCAAGTCAGAAA  
 GGCAGCCCCGGTGACCCTGCAACTGCTCTTCTGGATGGTGAAGAGGCGCTGAAGGAGTGGGGACCCAAG  
 GACTCCCTTTACGGTTCCCGGCACCTGGCCAGCTCATGGAGTCTATACCTCACAGCCCCGGCCCCACCA  
 GGATCCAGGCTATTGAGCTCTTTATGCTTCTTGTCTCCTGGGAGCCCCAATCCCACCTTCTACAGCCA  
 CTTCCCTCGCACGGTCCGCTGGTTCCATCGGCTGAGGAGCATTGAGAAGCGTCTGCACCGTTTGAACCTG  
 CTGCAGTCTATCCCCAGGAAGTGTACTTCCAACCCGGGAGCCCTTTGGCTCTGTGGAAGACGACC  
 ACATCCCCTTCTCCGACAGGGGTACCGTGTCCATCTCATCTCCACGCCCTCCCTGCTGTCTGGCA  
 CACCCCTGCGGACACCGAGGTCAATCTCCACCCACCCACGGTACACAACCTATGCCGATTCTCGCTGTG  
 TTCTCGCTGAATACCTGGGGCTC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RC228803 representing NM\_001163377  
Red=Cloning site Green=Tags(s)

MRSGGGRPRRLRGERGLMEPLLPKRRLLPRVRLPLLLALAVGSAFYTIWSGWHRRTEELPLGRELRV  
 PLIGSLPEARLRVVGQLDPQRLWSTYLRPLLVRTPGSPGNLQVRKAAPVTLQLFLDGEEALKEWGPK  
 DSLYGSRHLAQLMESIPHSPGPTRIQAIELFMLLDLLGAPNPTFYSHFPRTVRFHRLRSIEKRLHRLNL  
 LQSHPQEVMYFQPGEPFGSVEDDHIPFLRRGVPVHLIISTPFPVWHTPADTEVNLHPPTVHNLCRILAV  
 FLAEYLGL

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\_001163377

**ORF Size:** 864 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\\_001163377.1](#), [NP\\_001156849.1](#)

**RefSeq ORF:** 867 bp

**Locus ID:** 54814

**UniProt ID:** [Q9NXS2](#)

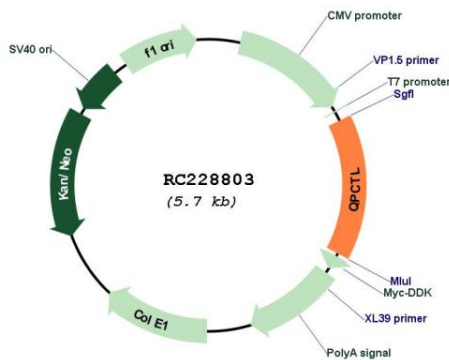
**Cytogenetics:** 19q13.32

**Protein Families:** Protease, Transmembrane

**MW:** 32.7 kDa

**Gene Summary:** Responsible for the biosynthesis of pyroglutamyl peptides.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC228803