

Product datasheet for **RG228803**

QPCTL (NM_001163377) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: QPCTL (NM_001163377) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: QPCTL
Synonyms: gQC
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG228803 representing NM_001163377
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGTTCGGGGGCGCGGGGACCCCGCTGCGGCTGGGGAACTGGCCTCATGGAGCCACTCTTGC
 CGCCGAAGCGCCGCTGCTACCGCGGGTTCGGCTCTTGCCTCTGTTGCTGGCGCTGGCCGTGGGCTCGGC
 GTTCTACACCATTTGGAGCGGCTGGCACCAGGACTGAGGAGCTGCCGCTGGCCGGGAGCTCGGGTC
 CCATTGATCGGAAGCCTCCCGAAGCCCGGCTGCGGAGGGTGGTGGACAACCTGGATCCACAGCGTCTCT
 GGAGCACTTATCTGCGCCCCCTGCTGGTTGTGCGAACCCCGGCAGCCCGGAAATCTCCAAGTCAGAAA
 GGCAGCCCCGGTACCCTGCAACTGCTCTTCTTGATGGTGAAGAGGCGCTGAAGGAGTGGGGACCCAAG
 GACTCCCTTTACGGTTCCCGGCACCTGGCCAGCTCATGGAGTCTATACCTCACAGCCCCGGCCCCACCA
 GGATCCAGGCTATTGAGCTCTTTATGCTTCTTGATCTCCTGGGAGCCCCAATCCCACCTTCTACAGCCA
 CTTCCCTCGCACGGTCCGCTGGTTCCATCGGCTGAGGAGCATTGAGAAGCGTCTGCACCGTTTGAACCTG
 CTGCAGTCTATCCCCAGGAAGTGTACTTCCAACCCGGGAGCCCTTTGGCTCTGTGGAAGACGACC
 ACATCCCCTTCTCCGCAGAGGGGTACCGTGTCCATCTCATCTCCAGCCCTTCCCTGCTGTCTGGCA
 CACCCCTGCGGACACCGAGGTCAATCTCCACCCACCCACGGTACACAACCTATGCCGATTCTCGCTGTG
 TTCTGCTGAATACCTGGGGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228803 representing NM_001163377
Red=Cloning site Green=Tags(s)

MRSGGGRPRRLRGERGLMEPLLPKRRLLPRVRLPLLLALAVGSAFYTIWSGWHRRTEELPLGRELRV
 PLIGSLPEARLRRVVGQLDPQRLWSTYLRPLL VVRTPGSPGNLQVRKAAPVTLQLLFLDGEEALKEWGPK
 DSYLGSRHLAQLMESIPHSPGPTRIQAIELFMLLDLLGAPNPTFYSHFPRTVRFHRLRSIEKRLHRLNL
 LQSHPQEVMYFQPGEPFGSVEDDHIPFLRRGVPVHLIISTPFPVWHTPADTEVNLHPPTVHNLCRILAV
 FLAEYLGL

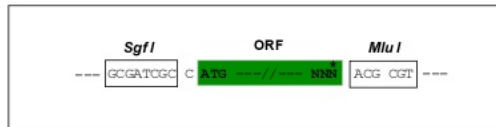
TRTRPLE - GFP Tag - V

Restriction Sites:

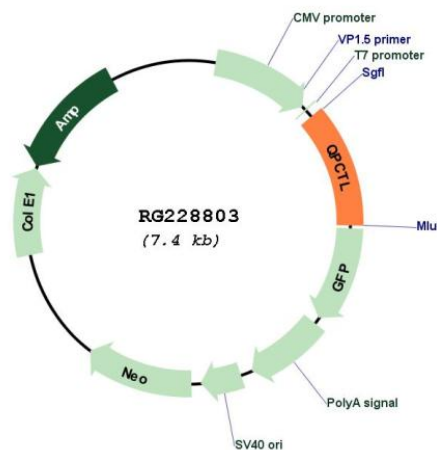
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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:	<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_001163377.1 , NP_001156849.1
RefSeq Size:	2063 bp
RefSeq ORF:	867 bp
Locus ID:	54814
UniProt ID:	Q9NXS2
Cytogenetics:	19q13.32
Protein Families:	Protease, Transmembrane
Gene Summary:	Responsible for the biosynthesis of pyroglutamyl peptides.[UniProtKB/Swiss-Prot Function]