OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RR214540

Qpctl (NM_001106230) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Qpctl (NM_001106230) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Qpctl
Synonyms:	RGD1308128
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR214540 representing NM_001106230 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGTCCGGCCAGCCGCGGGCGGTCTCGGCAGCGGCTCGGGGATCGCGGCCTCATGAAACCACCCTCAC TTTCCAAGCGCCGTCTTCTGCCGCGGGTGCAGCTCCTGCCCCTGCTGCTGCTGGCGCTGGCCCTGGGCTT GGCTTTTTATATCGTCTGGAATAGCTGGCACCCTGGGGTTGAGGAGGTATCACGGAGCCGGGATCTGCGG GTCCCGCTGATCGGAAGCCTTTCAGAAGCCAAGCTGCGGCTTGTGGTAGGGCAGCTGGATCCACAGCGTC TCTGGGGAACTTTTCTGCGTCCCTTGTTGATTGTACGACCCCCAGGTAGTCCTGGCAATCTCCAAGTGAG AAAGTTCCTGGAGGCTACGTTGCAGTCCCTATCGGCAGGCTGGCACGTGGAACTGGACCCATTCACAGCC TCAACCCCCTTGGGGCCACTGGACTTCGGGAACGTGGTGGCCACCCTTGACCCAGGAGCTGCCCGTCACC TCACCCTCGCCTGCCATTATGACTCTAAGTTCTTCCCTCCTGGGTTACCCCCCTTTGTGGGGGCCACAGA TTCAGCCGTGCCCTGTGCCCTGCTTCTGGAGTTAGTCCAGGCCCTTGATGTCATGCTGAGCAGAATCAAG CAGCAGGCAGCACCAGTGACCCTGCAGCTGCTCTTCTTGGACGGGGAGGAGGCACTGAAGGAGTGGGGAC CAAAGGACTCCCTCTATGGTTCCCGGCACCTAGCTCAGATCATGGAGTCTATACCGCACAGCCCTGGCCC CACCAGGATCCAGGCTATTGAGCTCTTTGTCCTTCTTGACCTTCTGGGAGCGCCCAGTCCAATCTTCTTC AGTCACTTCCCCCGCACAGCCCGCTGGTTCCAACGACTGCGGAGCATCGAGAAGCGCCTTCACCGTCTGA ACCTACTGCAGTCTCACCCCCAGGAAGTGATGTACTTCCAACCCGGGGAGCCCCCTGGCCCTGTGGAAGA TGACCACATCCCCTTCCTTCGCAGAGGGGTCCCGGTGCTCCACCTCATTGCGATGCCCTTCCCTGCCGTG TGGCACACACCTGCTGACACTGAGGCTAACCTCCACCCGCCCACGGTGCACAACCTGAGCCGCATCCTCG CCGTGTTCCTGGCTGAGTACCTGGGTCTC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

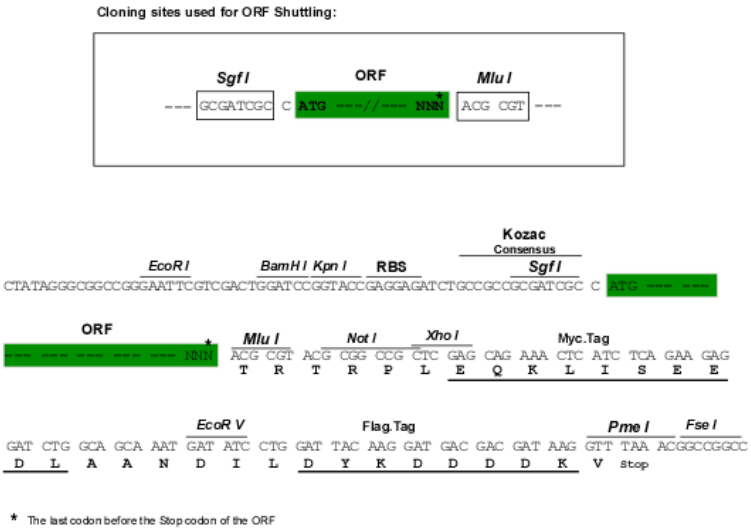
>RR214540 representing NM_001106230
Red=Cloning site Green=Tags(s)

MSPASRGRSRQRLGDRGLMKPPSLSKRRLLPRVQLLPLLLLALALGLAFYIVWNSWHPGVEEVSRSRDLR
VPLIGSLSEAKLRLVVGQLDPQRLWGTFLRPLLIVRPPGSPGNLQVRKFLEATLQSLSAGWHVELDPFTA
STPLGPLDFGNVVATLDPGAARHLTLACHYDSKFFPPGLPPFVGATDSAVPCALLLELVQALDVMLSRIK
QQAAPVTLQLLFLDGEEALKEWGPKDSLYGSRHLAQIMESIPHSPGPTRIQAIELFVLLDLLGAPSPIFF
SHFPRTARWFQRLRSIEKRLHRLNLLQSHPQEVMYFQPGEPPGPVEDDHIPFLRRGVPVLHLIAMPFPAV
WHTPADTEANLHPPTVHNLSRILAVFLAEYLGL

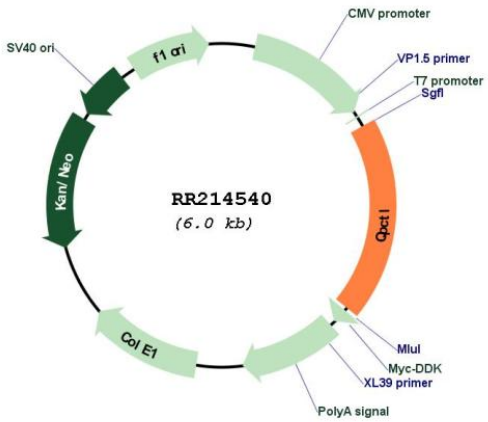
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106230

ORF Size:	1149 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_001106230.1, NP_001099700.1
RefSeq Size:	2166 bp
RefSeq ORF:	1152 bp
Locus ID:	292687
Cytogenetics:	1q21
MW:	42.6 kDa