

Product datasheet for MC207622

Qpctl (NM_026111) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Qpctl (NM_026111) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Qpctl
Synonyms:	1810019P04Rik; BB101812; gQC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207622 representing NM_026111 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTCCCGGGAGCCGCGGGCGCCCCGGCAGCGGCTCGAGGATCGTGGCCTCATGAAACCACCCTCAC
TTTCCAAGCGCCGTCTTCTGCCGCGAGTGCAGTTCCTGCCCTGCTGCTGCGCTGGCTATGGGCTT
GGCTTTCTATATCGTCTGGAACAGCTGGCACCCCTGGGTTGAGGAGATGTCACGGAGCCGGGATCTGCGG
GTCCCGCTGATCGGAAGCCTTTCAGAAGCAAGCTGCGGCTGGTGGTAGGGCAGCTGGATCCGCAGCGTC
TCTGGGAACTTCTGCGTCCCTTATTGATTGTGCGACCCCGGGTAGTTCTGGCAATCTCCAAGTGAG
AAAGTTTCTGGAGCTACGTTGCAGTCCCTGTCGGCAGGCTGGCATGTTGAACTGGACCCATTACGGCC
TCAACCCCTTGGGGCCACTGGACTTCGGGAACGTGGTGGCCACACTTGACCCAGGAGCTGCCCGTCACC
TCACCCCTGCCTGCCATTATGACTCTAAGTTCTTCCCTCCGGGTTGCCCCCTTGTGGGGGCCACAGA
TTCAGCTGTGCCCTGTGCCCTGCTTCTGGAGTTGGTCCAGGCCCTTGATGCCATGCTGAGCAGAATCAAG
CAGCAGGCAGCACCGGTGACCCTGCAGCTGCTTTTCTGGATGGGAGGAGGCACTGAAGGAGTGGGGAC
CAAAGGACTCCCTCTATGGCTCCCGCACCTAGCTCAGATCATGGAGTCTATACCACACAGCCCTGGCCC
CACCAGGATCCAGGCTATTGAGCTCTTTGCTCCTCGACCTTCTGGGAGCATCCAGTCCGATCTTCTTC
AGTCACCTCCCTCGCACAGCCCGCTGGTCCAGCGACTGAGGACATTGAGAAGCGCCTTACCGGCTGA
ACCTACTGCAGTCTACCCCGAGGAAGTGTACTTCCAACCCGGGAGCCCCCGGCCCTGTGGAAGA
TGACCACATCCCTTCTTCGCAGAGGGGTCCCGGTGCTCCACCTCATTGCCACGCCCTTCCCTGTGTG
TGGCACACACCTGCTGACACCGAGGCCAACCTCCACCCACCCACTGTGCATAACCTGAGCCGCATCCTTG
CTGTGTTCTGGCCGAGTACCTGGGACT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms: https://cdn.origene.com/chromatograms/ja2614_b12.zip

Restriction Sites: SgfI-MluI

ACCN: NM_026111

Insert Size: 1152 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [BC058181](#), [AAH58181](#)

RefSeq Size: 2100 bp

RefSeq ORF: 1152 bp

Locus ID: 67369

UniProt ID: [Q8BH73](#)

Cytogenetics: 7 A3

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