

Product datasheet for **MG204454**

Qpct (BC020023) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Qpct (BC020023) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Qpct
Synonyms:	5730422A13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204454 representing BC020023 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGGCAGCGAAGACAAACGCGTCGTGGGCACTCTCCACCTGCTGCTACTGCAGGCGACCGTCTGT
CTCTGACAGCTGGGAATCTGAATCTGGTCTCCGGTGCCTGGACGCAGGAGAAGCACATCATGCAACGAAT
TCAGAGACTTCAGGCTGAGTGGTCTGGAAGTTGACACCTTCCTGAGTAGGACTCCCTATGGCTATCGG
TCCTTCTCAAATATCATCAGCACTCTTAACCCGGAAGCGAAACGACACCTGGTCTCGCCTGCCACTACG
ACTCCAAATATTTTCTCGATGGGACAGCAGAGTGTGGTGGGAGCCACGGATTCAGCTGTGCCATGTGC
AATGATGTTGAACTTGCCCGTGCCTTAGACAAGAACTCCATTCTTGAAGGATGTCTCTGGTTCCAAG
CCAGATCTCTCACTCCGGCTAATTTTCTTGTGATGGTGAAGAGGCTTTTCATCACTGGTCCCTCAAGATT
CTCTGTATGGGTCTCGGCACTTAGCTCAGAAGATGGCATCAAGCCCTCACCTCCTGGATCAAGAGGCAC
CAACCACTGGATGGCATGGATCTGTTGGTCTTACTAGATTTAATTGGAGCAGCAATCCAACATTTCCCT
AATTTTTTCCCAAGACTACCAGATGGTTAATAGACTTCAAGCAATTGAAAAGGAACTCTATGAATTGG
GATTACTCAAGGATCATTCTTTGGAGAGGAAGTATTTTTCAGAATTTTGGCTATGGAATATTATCCAGGA
TGACCACATTCCATTTTTAAGAAAAGGTGCCAGTCTTACCTGATAGCTTCTCCTTTCCCTGAAGTC
TGGCACACCATGGATGACAATGAAGAAAATCTACATGCGTCAACCATTGACAATCTAACAAAATCATT
AAGTCTTTGTGTTGGAATATCTTCACTTG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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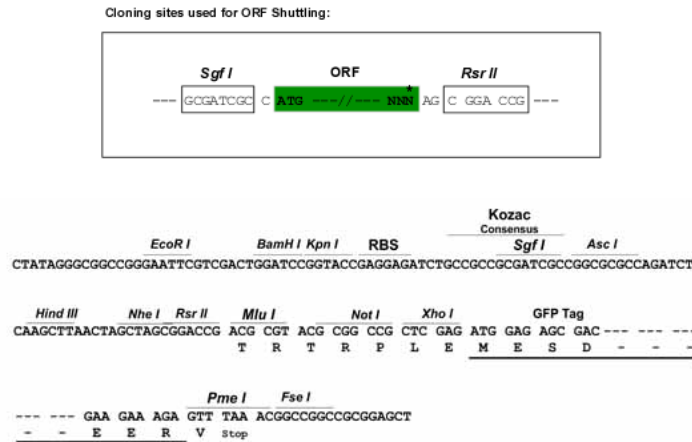
Protein Sequence: >MG204454 representing BC020023
Red=Cloning site Green=Tags(s)

MAGSEDKRVVGTLHLLLLQATVLSLTAGNLSLVSGAWTQEKHIMQRIQRLQAEWVVEVDTFLSRTPYGYR
 SFSNIIISTLNPEAKRHLVLACHYDSKYFPRWDSRVFVGATDSAVPCAMMLELALRALDKKLHSLKDVSGSK
 PDL.SLRLIFFDGEAEAFHHWSPQDSLYGSRHLAQKMASSPHPPGSRGTNQLDGMDDLVLDDLIGAANPTFP
 NFFPKTTRWFNRLQAIEKELYELGLLKDHSLEKRYFQNFYGNIIQDDHIPPFLRKGVPVLHLIASPFPEV
 WHTMDDNEENLHASTIDNLNKIIQVFVLEYLHL

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: BC020023

ORF Size: 941 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:	BC020023 , AAH20023
RefSeq Size:	1486 bp
RefSeq ORF:	941 bp
Locus ID:	70536
Cytogenetics:	17 E3
Gene Summary:	Responsible for the biosynthesis of pyroglutamyl peptides. Has a bias against acidic and tryptophan residues adjacent to the N-terminal glutaminy residue and a lack of importance of chain length after the second residue (By similarity).[UniProtKB/Swiss-Prot Function]