

Product datasheet for MC211077

Qpct (NM_027455) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Qpct (NM_027455) Mouse Untagged Clone
Tag: Tag Free
Symbol: Qpct
Synonyms: 5730422A13Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC211077 representing NM_027455
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGGCAGCGAAGACAAGCTCGTCGTGGGCACTCTCCACCTGCTGCTACTGCAGGCGACCGTCTGT
 CTCTGACAGCTGGGAATCTGAGTCTGGTCTCCGCTGCCTGGACGCAGGAGAAGAACCACCACCAACCAGC
 ACATTTGAATTCTTCATCTCTTCAGCAAGTTGCAGAAGGCACTAGCATTCTGAAATGTGGCAAACGAC
 TTGAGACCATTGCTGATAGAACGATATCCTGGATCGCCCGGAAGCTATTCTGCTCGGCAGCACATCATGC
 AACGAATTCAGAGACTTCAGGCTGAGTGGTCTGGAAGTTGACACCTTCTGAGTAGGACTCCCTATGG
 CTATCGGTCTTCTCAAATATCATCAGCACTCTTAACCCGGAAGCGAAACGACACCTGGTCTCGCCTGC
 CACTACGACTCCAAATATTTTCTCGATGGGACAGCAGAGTGTGGTGGGAGCCACGGATTAGCTGTGC
 CATGTGCAATGATGTTGGAACCTGCCCGTGCCTTAGACAAGAACTCCATTCTTGAAGGATGTCTCTGG
 TTCCAAGCCAGATCTCTCACTCCGGCTAATTTCTTTGATGGTGAAGAGGCTTTTCATCACTGGTCCCCT
 CAAGATTCTCTGTATGGGTCTCGGCACTTAGCTCAGAAGATGGCATCAAGCCCTCACCTCCTGGATCAA
 GAGGCACCAACCAACTGGATGGCATGGATCTGTTGGTCTTACTAGATTTAATTGGAGCAGCAAATCCAAC
 ATCCCTAATTTTTTCCCAAGACTACCAGATGGTTTAATAGACTTCAAGCAATTGAAAAGGAATCTAT
 GAATTTGGATTACTCAAGGATCATTCTTTGGAGAGGAAGTATTTTTCAGAAATTTGGCTATGGAAATTA
 TCCAGGATGACCACTTCCATTTTAAAGAAAAGGTGCCAGTTCTTACCTGATAGCTTCTCCTTCCC
 TGAAGTCTGGCACACCATGGATGACAATGAAGAAAATCTACATGCGTCAACCATTGACAATCTCAACAAA
 ATCATTCAAGTCTTTGTGTTGGAATATCTTCACTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1789_e02.zip



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_027455
Insert Size:	1089 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	BC151027 , AAI51028
RefSeq Size:	1924 bp
RefSeq ORF:	1089 bp
Locus ID:	70536
UniProt ID:	Q9CYK2
Cytogenetics:	17 E3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>