

Product datasheet for **RR212445**

Qpct (NM_001134557) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Qpct (NM_001134557) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Qpct
Synonyms: Qpctl1; RGD1562284
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212445 representing NM_001134557
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGGCGCGAAGACAGGCGCGTCGTGGGCACCCGCCACCTGCTGCTGCTGGCGACCATCCTGTCCC
TGACAGCCGGGATTCTGAGTCCGGTCTCCGCTGTTGCCTGGACGCAGGAGAAGCACATCATGCAGCGAAT
TCAGAGACTTCAGGCTGAGTGGGTCGTGGAAGTCGACACCTTCCTCAGTAGGACGCCCTACGGATATCGG
TCCTTCTCAAATATCATCAGCACCTTAATCCGGAAGCGAAACGACACCTGGTCCTTGCCTGCCACTATG
ACTCCAATACTTTCTCAATGGGACAGCAGAGTGTGTTGTGGGAGCCACTGATTCAGCCGTGCCGTGCGC
AATGATGTTGGAACCTCGCTCGTGCCTTAGACAAGAAATCCATTCTTGAAGGATGTCTCCGGTTCAGG
CCGGATCTCTCGCTCCGGCTAATTTTCTTTGATGGGGAAGAGGCCTTTCTTCACTGGTCTCCTCAAGATT
CTCTGTATGGGTCTCGGCACTTAGCTCAGAAGATGGCATCAAGCCCTCACCTCCTGGATCAAGAGGCAC
CAACCACTGGATGGCATGGATCTGTTGGTCTTACTGGATTTAATTGGAGCAGCAATCCAACATTTCT
AATTTTTTCCCAAGACTACCAGATGGTTTACTAGACTTCAAGCAATTGAACAGCAGCTCTCTGAGTTGG
GTTTACTCAAGGATCATTCTTTGGAGAGGAAATATTTTCAGAATTTTGGTTATGGAATATTATCCAGGA
TGACCACATTCATTTTTAAGAAAAGGTGCCAGTTCCTCACCTGATAGCTTCTCCTTTCCCTGAAGTC
TGGCACACCATGGATGACAATGAAGAAAATCTGCACTCGTCAACCATTGACAATCTCAACAAAATCATT
AGGTCTTTGTGTTGGAATATCTTCACTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212445 representing NM_001134557
Red=Cloning site Green=Tags(s)

MAGGEDRRVVGTRHLLLLATILSLTAGILSPVSAVAWTQEKHIMQRIQRLQAEWVVEVDFLSRTPYGYR
 SFSNIIISTLNPEAKRHLVLACHYDSKYFPQWDSRVFVGATDSAVPCAMMLELARALDKKLHSLKDVSGSR
 PDL.SLRLIFFDGEEAFLHWSQDSLYGSRHLAQKMASSPHPPGSRGTNQLDGMDDLVLDDLIGAANPTFP
 NFFPKTTRWFTRLQAIEQQLSELGLLKDHSLEKRYFQNFYGNIIQDDHIPFLRKGVPVLHLIASPFPEV
 WHTMDDNEENLHSSTIDNLNKIIQVFVLEYLHL

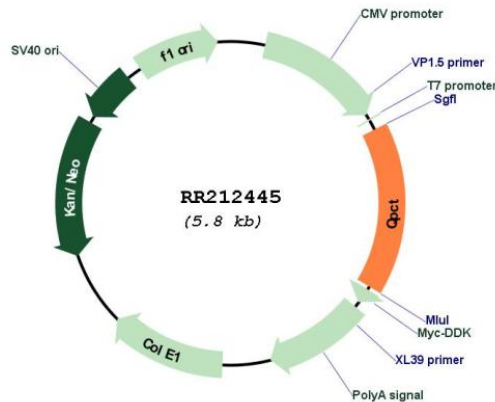
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134557

ORF Size: 939 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>
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_001134557.2 , NP_001128029.1
RefSeq Size:	942 bp
RefSeq ORF:	942 bp
Locus ID:	313837
Cytogenetics:	6q11
MW:	35.6 kDa
Gene Summary:	human homolog is a glutaminyl-peptide cyclotransferase that is involved in the presence of pyroglutamyl residues in neuroendocrine peptides [RGD, Feb 2006]