

Product datasheet for RC216264

PAQR6 (NM_024897) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAQR6 (NM_024897) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PAQR6
Synonyms:	PRdelta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216264 representing NM_024897 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCCCCGCATGCGCCACATCTGCTACTTCCTCGACTACGGCGCGCTCAGCCTCTACAGTCTGGGCT
GCGCCTTCCCCTATGCCGCTACTCCATGCCGGCCTCCTGGTGCACGGCCACCTGCACCAGTCTTTGT
GCCTGCCCGCGACTCAACTCCTCCTGTGCACCGGCCTCCTGCTACTCCCGTTTCTGGAGCTGGAA
AGCCCTGGGCTCAGTAAGGTCTCCGCACAGGAGCCTTCGCTATCCATTCTGTTGCACAACTCCCAC
TCTTTTATCGGCTCGGGCTGTGCTGGGGCAGGGCCACGGCTGTGGGCAGGAGGCCCTGAGCACCAGCCA
TGGTACCATCTCTTCTGCGCGCTGCTCACTGGCTTCTCTTCGCTCCACCTGCCTGAAAGGCTGGCA
CCAGGACGCTTTGATTACATCGGTGAGGGCAGCCTGGCCCGGCCGGGAAGAGGCAGGGGCAGATGCC
TCCCAGAGCACAGAATGAACTGGGCCACAGCCACCAGTATTCCACATCTGTGCAGTGTGGCACCAC
TTCCAGCTGGAGGCAGTGTGGCTGATATGGGATCACGCAGAGCCTGGCTGGCCACACAGGAACCTGCC
TGGCCTGGCAGGCACAGTGGCCACACTGGTCTTGGCTGCAGCTGGGAACCTACTCATTATTGCTGCTTT
CACAGCCACCTGCTTCGGGCCCCAGTACATGCCCTCTGCTGCAGGTGGCCACTGGAGGGGGTACC
CAGGCCAAACAACAGTGAAGCCCATCCCTGACCCTGTCTGGAGGGGGCAGAGGCCAGGCCCCAGTGT
GACGAGGAGCCAGATTTGGCCATAACAGGTGGGGACGCATCTCAGCCTGGAACCAACAGGGGCTGAGG
AGAGAGGGCACAGGAGAGAGGGCAGAGAAGAGGAGGGGTGTCTAGGGGGACTGGCAGAGTGTGAGAGGA
CCGTGAGGGGGCTCTTGATGGGAGTGAAGAAGTGTGAGGGTCTGAGAGGGGAGATGCATGCGTGTCCA
GGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC216264 representing NM_024897
 Red=Cloning site Green=Tags(s)

MSPRMRHICYFLDYGALSLYSLGCAFPYAAYSMPASWLHGHLHQFFVPAALNSFLCTGLSCYSRFLELE
 SPGLSKVLRTGAFAYPFLFDNLPLFYRLGLCWGRGHGCGQEALSTSHGYHLFCALLTGFLFASHLPERLA
 PGRFDYIGEGTPGPAREEAGADAFPEHRMNWATATSYSTSVQCWAPTSSWRQCWL IWDHAEPGWPHRNL
 WAWQAQWPHWSWLQLGTYSLLLLSQPPCFGPPVHALCCRVAHWRGVPRPNNSEAPSLTLSWRGQRPGPSA
 DEEPRFGPNQVGTLSLEPTGAEERGHRRREGREEEGCLGGLAECERDREGALDGSGRSAEGLRGMHAC
 G

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_024897

ORF Size: 1053 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_024897.3](#)

RefSeq Size: 2117 bp

RefSeq ORF: 1056 bp

Locus ID: 79957

UniProt ID: [Q6TCH4](#)

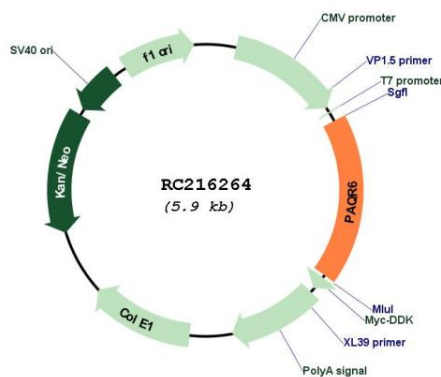
Cytogenetics: 1q22

Protein Families: Druggable Genome, Transmembrane

MW: 38.9 kDa

Gene Summary: Plasma membrane progesterone (P4) receptor coupled to G proteins (PubMed:23763432, PubMed:23161870). Seems to act through a G(s) mediated pathway (PubMed:23161870). Involved in neurosteroid inhibition of apoptosis (PubMed:23161870). May be involved in regulating rapid P4 signaling in the nervous system (PubMed:23763432). Also binds dehydroepiandrosterone (DHEA), pregnanolone, pregnenolone and allopregnanolone (PubMed:23763432, PubMed:23161870).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC216264