

## Product datasheet for RC208104

### PAQR6 (NM\_198406) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PAQR6 (NM_198406) 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:	>RC208104 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCAGTCTCAAGCTGCCCAACTTCTTCAAGTCCACCAGGTCCCCGGGTGTTCTGGGAAGATGGCA  
TCATGTCTGGCTACCGCCGCCACCAGCTCGGCTTTGGACTGTGTCTCAGCTCCTCCAGATGACCAA  
CGAGACGGTCAACATCTGGACTCACTTCTGCCACCTGGTACTTCTGTGGCGGCTCCTGGCGCTGGCG  
GGCGGCCCGGCTCCGTGCGGAGCCGTACCACTGGCCGCTGCTGGTCTTCTGTGCCCGCTGCCTCT  
ACCCCTTCGCGTGTGCTGCGCGCACACCTTCAGTCCATGTGCCCCGATGCGCCACATCTGCTACTT  
CCTCGACTACGGCGCGCTCAGCCTCTACAGTCTGGGCTGCGCCTTCCCCTATGCCGCTACTCCATGCCG  
GCCTCCTGGCTGCACGGCCACCTGCACCAGTTCTTTGTGCTGCCGCGCACTCAACTCCTTCTGTGCA  
CCGGCCTCTCTGCTACTCCCGTTTCTGGAGCTGAAAGCCCTGGGCTCAGTAAGTCTCCGCACAGG  
AGCCTTCGCCTATCCATTCTGTTCGACAACTCCCACTTTTTATCGGCTCGGGCTGTGCTGGGGCAGG  
GGCCACGGCTGTGGGCAGGAGCCCTGAGCACCAGCCATGGTACCATCTTCTGCGCGTGTCTACTG  
GCTTCTCTTCGCTCCACCTGCCTGAAAGGCTGGCACCAGGACGCTTTGATTACATCGGCCACAGCCA  
CCAGTTATTCCACATCTGTGCAGTGTGGCACCACCTCCAGCTGGAGGACAGTGGCTGATATGGGA  
TCACGCAGAGCCTGGCTGGCCACACAGGAACCTGCCCTGGGCTGGCAGGCACAGTGGCCACACTGGTCT  
TGGCTGCAGCTGGGAACCTACTCATTATTGCTGCTTTCACAGCCACCCTGCTTCGGGCCCCAGTACATG  
CCCTCTGCTGCAGGGTGGCCCACTGGAGGGGGTACCCAGGCCAAACAACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC208104 protein sequence  
Red=Cloning site Green=Tags(s)

MLSLKLPQLLQVHQVPRVFWEDGIMSGYRRPTSSALDCVLSFFQMTNETVNIWTHFLPTWYFLWRLLALA  
 GGPGFRAEYPHWPLLVFLLPACLYPFASCCAHTFSSMSPRMRHICYFLDYGALSLYLGCAFPYAAYSMP  
 ASWLHGHHLHQFFVPAALNSFLCTGLSCYSRFLLELESPGLSKVLRGTGAFAYPFLFDNLPFLYRLGLCWGR  
 GHGCGQEALSTSHGYHLFCALLTGFLFASHLPERLAPGRFDYIGHSHQLFHICAVLGFHFQLEAVLADMG  
 SRRRAWLATQEPALGLAGTVATLVLAAGNLLIIAAFTATLLRAPSTCPPLLQGGPLEGGTQAKQQ

TRTRPLEQKLISEEDLANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6347\\_d09.zip](https://cdn.origene.com/chromatograms/mk6347_d09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_198406

**ORF Size:** 1032 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\\_198406.3](#)

**RefSeq Size:** 2029 bp

**RefSeq ORF:** 1035 bp

**Locus ID:** 79957

**UniProt ID:** [Q6TCH4](#)

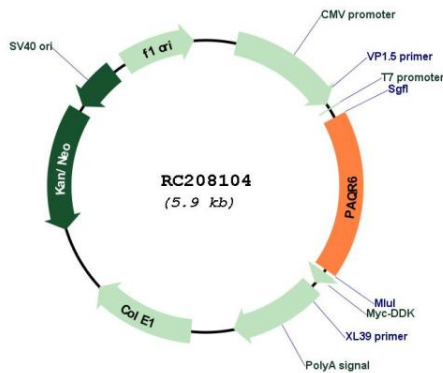
**Cytogenetics:** 1q22

**Protein Families:** Druggable Genome, Transmembrane

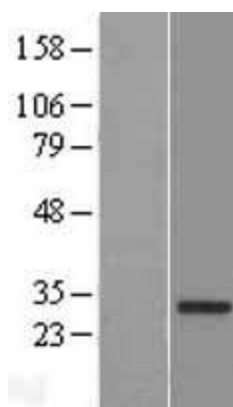
**MW:** 38 kDa

**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 RC208104



Western blot validation of overexpression lysate (Cat# [LY405056]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208104 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).