

## Product datasheet for **RC236776**

### PAQR6 (NM\_001272108) Human Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: PAQR6 (NM\_001272108) Human Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: PAQR6  
Synonyms: PRdelta  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RC236776 representing NM\_001272108  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGCTCAGTCTCAAGCTGCCCAACTTCTCAAGTCCACCAGGTCCCCGGGTGTTCTGGGAAGATGGCA  
TCATGTCTGGCTACCGCCGCCACCAGCTCGGCTTTGGACTGTGTCTCAGCTCCTCCAGATGACCAA  
CGAGACGGTCAACATCTGGACTCACTTCTGCCACCTGTTTCTGGAGCTGGAAAGCCCTGGGCTCAGT  
AAGGTCTCCGCACAGGAGCCTTCGCCTATCCATTCTGTTCGACAACCTCCCACTCTTTATCGGCTCG  
GGCTGTGCTGGGGCAGGGCCACGGCTGTGGGCAGGAGGCCCTGAGCACCAGCCATGGCTACCATCTCTT  
CTGCGCGCTGCTCACTGGCTTCTCTTCGCCTCCCACTGCCTGAAAGGCTGGCACCAGGACGCTTTGAT  
TACATCGGCCACAGCCACCAGTTATTCCACATCTGTGCAGTGTGGGCACCACTTCCAGCTGGAGGCAG  
TGCTGGCTGATATGGGATCACGCAGAGCCTGGCTGGCCACACAGGAACCTGCCCTGGGCTGGCAGGCAC  
AGTGGCCACACTGGTCTTGGCTGCAGCTGGGAACCTACTATTGCTGCTTTACAGCCACCCCTGCTT  
CGGGCCCCAGTACATGCCCTCTGCTGCAGGGTGGCCACTGGAGGGGGTACCCAGGCCAAACAACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC236776 representing NM\_001272108  
 Red=Cloning site Green=Tags(s)

MLSLKLPQLLQVHQVPRVFWEDGIMSGYRRPTSSALDCVLSFFQMTNETVNIWTHFLPTCFLELESPGLS  
 KVLRTGAFAYPFLFDNLPLFYRLGLCWGRGHGCGQEALSTSHGYHLFCALLTGFLFASHLPERLAPGRFD  
 YIGHSHQLFHICAVLGFHFQLEAVLADMGSRRAWLATQEPALGLAGTVATLVLAAAGNLLIIAAAFATLL  
 RAPSTCPLLQGGPLEGGTQAKQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

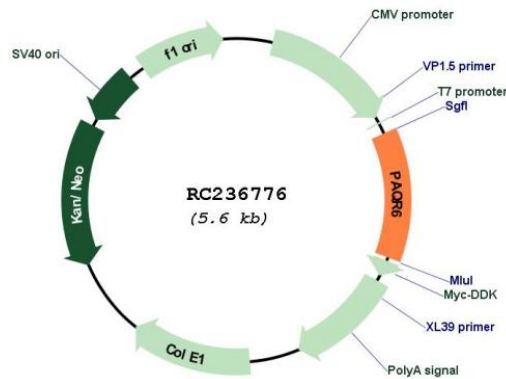
**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**



**ACCN:** NM\_001272108

**ORF Size:** 699 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001272108.2</a>
<b>RefSeq Size:</b>	1696 bp
<b>RefSeq ORF:</b>	702 bp
<b>Locus ID:</b>	79957
<b>UniProt ID:</b>	<a href="#">Q6TCH4</a>
<b>Cytogenetics:</b>	1q22
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	25.9 kDa
<b>Gene Summary:</b>	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]