

## Product datasheet for **RG233451**

### PAQR6 (NM\_001272110) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PAQR6 (NM_001272110) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PAQR6
Synonyms:	PRdelta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233451 representing NM_001272110 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTACCATCTCTTCTGCGCGCTGCTCACTGGCTTCCTCTTCGCCTCCACCTGCCTGAAAGGCTGGC  
ACCAGGACGCTTTGATTACATCGGCCACAGCCACCAGTTATTCCACATCTGTGCAGTGTGGCCACCCAC  
TTCCAGCTGGAGGCAGTGTGGCTGATATGGGATCACGCAGAGCCTGGCTGGCCACACAGGAACCTGCC  
TGGCCTGGCAGGCACAGTGGCCACACTGGTCTTGGCTGCAGCTGGGAACCTACTATTGCTGCTTT  
CACAGCCACCCTGCTTCGGGCCCCAGTACATGCCCTCTGCTGCAGGGTGGCCACTGGAGGGGGTACC  
CAGGCCAAACAACAGTGAGGCCCATCCCTGACCTGTCCTGGAGGGGCAGAGGCCAGGCCCCAGTGT  
GACGAGGAGCCAGATTTGGGCCTAATCAGGTGGGACGCATCTCAGCCTGGAACCAACAGGGGCTGAGG  
AGAGAGGGCACAGGAGAGAGGGCAGAGAAGAGGAGGGGTGCTAGGGGGACTGGCAGAGTGTGAGAGGGA  
CCGTGAGGGGGCTTTGATGGGAGTGGAAGAAGTCTGAGGGTCTGAGAGGGGAGATGCATGCGTGTCCA  
GGC

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG233451 representing NM\_001272110  
 Red=Cloning site Green=Tags(s)

MATISSARCSLASSSPPTCLKGWHQDALITSATATSYSTSVQCWAPTSSWRQCWL IWDHAEPGWPHRNLP  
 WAWQAQWPHWSWLQLGTYSLLLLSQPPCFGPPVHALCCRVAHWRGVPRPNNSEAPSLTL SWRGQRPGPSA  
 DEEPRFGPNQVGTHTLSLEPTGAEERGHRRREGREEEGCLGGLAECERDREGALDGSGRSAEGLRGMHACP  
 G

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001272110

**ORF Size:** 633 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\\_001272110.2](#)

**RefSeq Size:** 1944 bp

**RefSeq ORF:** 636 bp

**Locus ID:** 79957

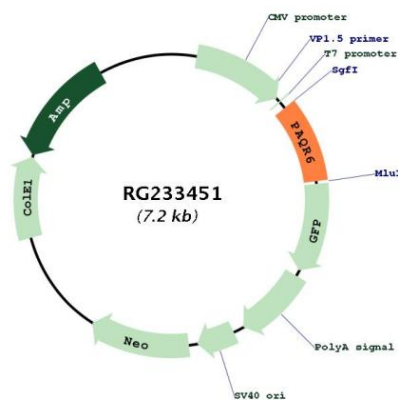
**UniProt ID:** [Q6TCH4](#)

**Cytogenetics:** 1q22

**Protein Families:** Druggable Genome, Transmembrane

**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 RG233451