

Product datasheet for **RC233641**

PAQR6 (NM_001272106) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PAQR6 (NM_001272106) 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: >RC233641 representing NM_001272106
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGCCTACTCCATGCCGGCCTCCTGGCTGCACGGCCACCTGCACCAGTTCTTTGTGCCTGCCCGGC
ACTCAACTCCTTCTGTGCACCGCCTCTCCTGCTACTCCCGTTTCTGGAGCTGGAAAGCCTGGGCTC
AGTAAGGTCTCCGCACAGGAGCCTTCGCCTATCCATTCTGTTCGACAACCTCCCCTCTTTATCGGG
CTGGCACCAGGACGCTTTGATTACATCGGTGAGGGCAGCCTGGCCCGCCGGGAAGAGGCAGGGGCAG
ATGCCTTCCCAGAGCACAGAATGAAGTGGGCCACAGCCACCAGTTATTCCACATCTGTGCAGTGTGGC
ACCCACTTCCAGCTGGAGGCAGTGTGGCTGATATGGGATCACGCAGAGCCTGGCTGGCCACACAGGAAC
CTGCCCTGGGCCTGGCAGGCACAGTGGCCACACTGGTCTTGGCTGCAGCTGGGAACCTACTCATTATTGC
TGCTTTCACAGCCACCCTGCTTCGGGCCCCAGTACATGCCCTCTGCTGCAGGGTGGCCACTGGAGGGG
GGTACCCAGGCCAAACAACAGTGAAGGCCCATCCCTGACCCTGTCTGGAGGGGGCAGAGGCCAGGGCCC
AGTGTGACGAGGAGCCAGATTTGGCCATATCAGGTGGGGACGCATCTCAGCCTGGAACCAACAGGGG
CTGAGGAGAGAGGGCACAGGAGAGAGGGCAGAGAAGAGGAGGGGTGTCTAGGGGGACTGGCAGAGTGTGA
GAGGGACCGTGAGGGGGCTTTGATGGGAGTGAAGAAGTGTCTGAGGGTCTGAGAGGGGAGATGCATGCC
TGTCAGGC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC233641 representing NM_001272106
Red=Cloning site Green=Tags(s)

MPPTPCRPPGCTATCTSSLCLPPHSTPSCAPASPATPVSWSKALGSVRSSAQEPSPHSCSTTSHSFIG
 LAPGRFDYIGEGTPGPAREEAGADAFPEHRMNWATATSYSTSVQCWAPTSSWRQCWLIWDHAEPGWPHRN
 LPWAWQAQWPHWSWLQLGTYSLLLLSQPPCFGPPVHALCCRVAHWRGVPRPNNSEAPSLTLSWRGQRPGP
 SADEEPRFGPNQVGTHLSLEPTGAEERGHRRREGREEEGCLGGLAECERDREGALDGSGRSAEGLRGMHA
 CPG

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_001272106

ORF Size: 849 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_001272106.1](#), [NP_001259035.1](#)

RefSeq Size: 2037 bp

RefSeq ORF: 852 bp

Locus ID: 79957

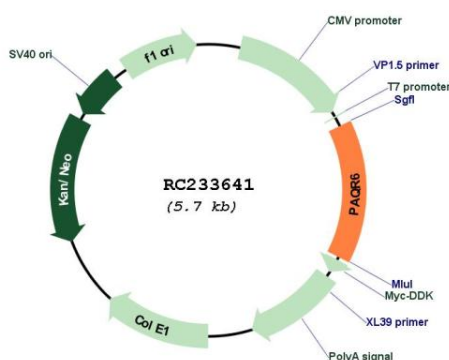
Cytogenetics: 1q22

Protein Families: Druggable Genome, Transmembrane

MW: 31.2 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 RC233641