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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:

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>RC208104 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTCAGTCTCAAGCTGCCCCAACTTCTTCAAGTCCACCAGGTCCCCCGGGTGTTCTGGGAAGATGGCA
TCATGTCTGGCTACCGCCGCCCCACCAGCTCGGCTTTGGACTGTGTCCTCAGCTCCTTCCAGATGACCAA
CGAGACGGTCAACATCTGGACTCACTTCCTGCCCACCTGGTACTTCCTGTGGCGGCTCCTGGCGCTGGCG
GGCGGCCCCGGCTTCCGTGCGGAGCCGTACCACTGGCCGCTGCTGGTCTTCCTGCTGCCCGCCTGCCTCT
ACCCCTTCGCGTCGTGCTGCGCGCACACCTTCAGCTCCATGTCGCCCCGCATGCGCCACATCTGCTACTT
CCTCGACTACGGCGCGCTCAGCCTCTACAGTCTGGGCTGCGCCTTCCCCTATGCCGCCTACTCCATGCCG
GCCTCCTGGCTGCACGGCCACCTGCACCAGTTCTTTGTGCCTGCCGCCGCACTCAACTCCTTCCTGTGCA
CCGGCCTCTCCTGCTACTCCCGTTTCCTGGAGCTGGAAAGCCCTGGGCTCAGTAAGGTCCTCCGCACAGG
AGCCTTCGCCTATCCATTCCTGTTCGACAACCTCCCACTCTTTTATCGGCTCGGGCTGTGCTGGGGCAGG
GGCCACGGCTGTGGGCAGGAGGCCCTGAGCACCAGCCATGGCTACCATCTCTTCTGCGCGCTGCTCACTG
GCTTCCTCTTCGCCTCCCACCTGCCTGAAAGGCTGGCACCAGGACGCTTTGATTACATCGGCCACAGCCA
CCAGTTATTCCACATCTGTGCAGTGCTGGGCACCCACTTCCAGCTGGAGGCAGTGCTGGCTGATATGGGA
TCACGCAGAGCCTGGCTGGCCACACAGGAACCTGCCCTGGGCCTGGCAGGCACAGTGGCCACACTGGTCT
TGGCTGCAGCTGGGAACCTACTCATTATTGCTGCTTTCACAGCCACCCTGCTTCGGGCCCCCAGTACATG
CCCTCTGCTGCAGGGTGGCCCACTGGAGGGGGGTACCCAGGCCAAACAACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

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Protein Sequence:

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>RC208104 protein sequence
Red=Cloning site Green=Tags(s)

MLSLKLPQLLQVHQVPRVFWEDGIMSGYRRPTSSALDCVLSSFQMTNETVNIWTHFLPTWYFLWRLLALA
GGPGFRAEPYHWPLLVFLLPACLYPFASCCAHTFSSMSPRMRHICYFLDYGALSLYSLGCAFPYAAYSMP
ASWLHGHLHQFFVPAAALNSFLCTGLSCYSRFLELESPGLSKVLRTGAFAYPFLFDNLPLFYRLGLCWGR
GHGCGQEALSTSHGYHLFCALLTGFLFASHLPERLAPGRFDYIGHSHQLFHICAVLGTHFQLEAVLADMG
SRRAWLATQEPALGLAGTVATLVLAAAGNLLIIAAFTATLLRAPSTCPLLQGGPLEGGTQAKQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```
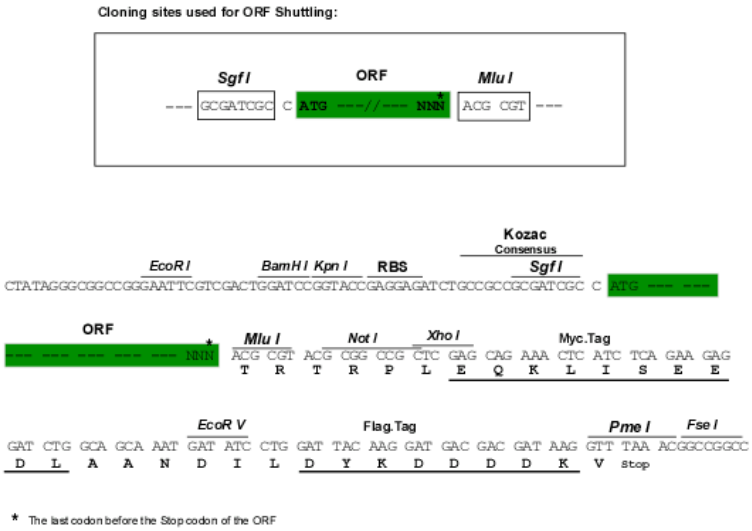

Chromatograms: https://cdn.origene.com/chromatograms/mk6347_d09.zip

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).

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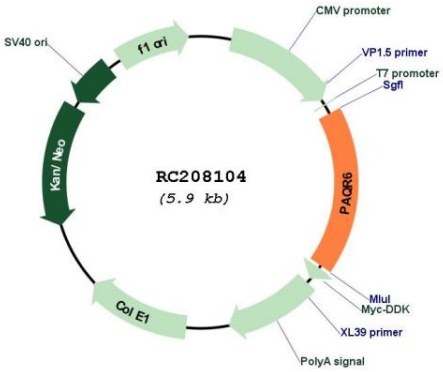
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
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

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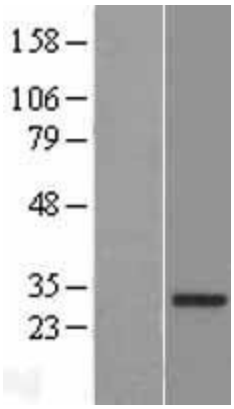

Western blot validation of overexpression lysate (Cat# [LY405056]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208104 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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