

## Product datasheet for RC207628

### PAQR4 (NM\_152341) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PAQR4 (NM_152341) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PAQR4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207628 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGTTCCTGGCCGGCCGCGCCTGCTGGACTGGGCCAGCTCGCCGCCACCTGCAGTTCAATAAGT  
TCGTGCTGACCGGTACCGGCCCGCCAGCAGCGGCTCGGGCTGCCTGCGCAGCCTCTTCTACCTGCACAA  
CGAACTGGGCAACATCTACACGCACGGGCTGGCCCTGCTGGGCTTCCTGGTGTGGTCCAATGACCATG  
CCCTGGGGTCAGCTGGCAAGGATGGCTGGCTGGGAGGCACACATTGCGTGGCCTGCCTTGACCCCTG  
CAGGCTCCGTGCTCTATCACCTTTATGTGCCACCAAGGGGGCAGCGCTGTGTACGCCCGCTCCTCGC  
CCTGGACATGTGTGGGGTCTGCCTTGCAACACCCTTGGGGCCCTGCCCATCCTCACTGCACCCTGGCC  
TGCAGGCCCTGGCTGCGCCCGGCTGCCCTGGTGGCTACACTGTGTTGTGGGTGTGGCCGGCTGGCGTG  
CTCTACCGCCCCCTCCACCACTGCTCGGCTCCGGGCATTTGGATGGCAGGCTGCTGCCCGCTACTGGT  
ATTTGGGGCCCGGGAGTGGTCTGGGTTCCAGGGCTCCAGGCTCCCTGCCCTGTACCTGCGCATGGAC  
GCACTGGCGTCTTGGGGACTGGTAAATGTAGCCCGTCTGCCGAGCGCTGGGACCTGGCCGTTTG  
ACTACTGGGGCACTCCACCAAGATCATGCACCTGCTGAGCGTGGGCTCCATCCTGCAGTGCACGCCGG  
CGTCGTGCCCGACCTGCTCTGGGCTGCCACACGCTGTCCCCGGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC207628 protein sequence  
 Red=Cloning site Green=Tags(s)

MAFLAGPRLLDWASSPPLHQNKFVLTGYRPASSGSGCLRSLFYLHNELGNIYTHGLALLGFLVLPMTM  
 PWGQLGKDGWLGGTHCVAACLAPPAGSVLYHFMCHQGGSVYARLLALDMCGVCLVNTLGALPIIHCTLA  
 CRPWL RPAALVGYTVLSGVAGWRALTAPSTSARLRAFGWQAAARLLVFGARGVGLGSGAPGSLPCYL RMD  
 ALALLGGLVNVARLPERWGPGRFDYWGNSHQIMHLLSVGSILQLHAGVVPDLLWAAHHACPRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk6334\\_b12.zip](https://cdn.origene.com/chromatograms/mk6334_b12.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_152341

ORF Size: 819 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\\_152341.5](#)

**RefSeq Size:** 2811 bp

**RefSeq ORF:** 822 bp

**Locus ID:** 124222

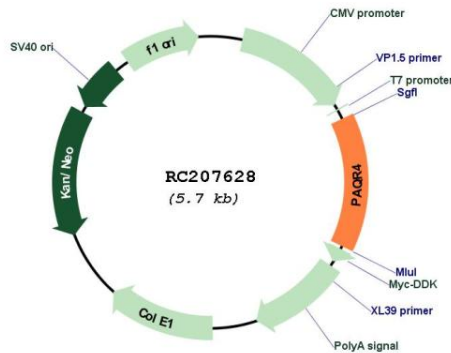
**UniProt ID:** [Q8N4S7](#)

**Cytogenetics:** 16p13.3

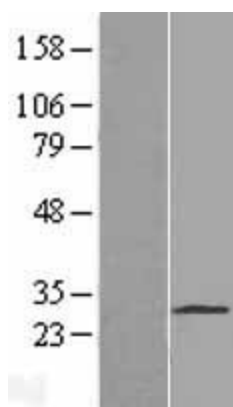
**Protein Families:** Druggable Genome, Transmembrane

**MW:** 29.1 kDa

**Product images:**



Circular map for RC207628



Western blot validation of overexpression lysate (Cat# [LY407591]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207628 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).