

## Product datasheet for **RR203826**

### Aqp9 (NM\_022960) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Aqp9 (NM\_022960) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Aqp9  
**Synonyms:** MGC93419  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR203826 representing NM\_022960  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCTTCTGAGAAGGACGGTGCCAAGAAGAGCCTCATGCAGAGGCTGGCCCTGAAGAGCCGGATAGCGA  
AGGAGACTCTCCGAGTTCCTGGGCACCTTTATAATGATTGTCCTTGGATGTAGCTCTATTGCCAAGC  
GGTCTCAGTCGAGAACGTTTTGGCGGGATCATCACTATCAATATTGGATTTGCATCGGCAGTCGTGATG  
GCTCTCTATGTGACATTTGGTATCTCTGGGGGCCACATCAACCCAGCTGTGTCTTTTGCAATGTGCGCCT  
TTGGAAGGATGGAGTGGTCAAGTTCCTATTTATGTGGGAGCCAGTTTTTTGGGAGCCTTTGTTGGGGC  
TGCAACGGTCTTTGGCATTATTATGATGGACTCATGGCCTTTGCTGGCGGAAAACCTGCTCGTCGTAGGA  
GAAAATGCAACAGCATTCAATTTTGCAACATATCCAGCTCCATTCATATCCACGCCAGGTGCCTTTGTAG  
ACCAAGTGGTGTCTACCATGTTCTCCTCTCTGATCGTCTTTGCCATGTTTGACTCCAGAAACCTGGGTGT  
CCCCAGAGGCTGGAGCCTGTTGTCATTGGCCTCCTGATCATTGTCCTTTCTGTTCTCTCGGACTCAAC  
TCTGGCTGTGCCATGAACCCAGCTCGAGACCTCAGTCCCAGGCTTTCCTGACTGCAGGATGGGGGT  
TTGAGGTCTTACAGTTGAAATAACTTCTGGTGGATACCTGTCGTGGTCTATGATTGGTGCTTTCCT  
GGGAGGTCTTATCTACATTCTTTTTATCCAAATGCATCACTCGAAGCTCGACCCAGACATGAAGGCAGAG  
CCATCTGAGAACAACCTAGAGAAACACGAGCTCAGTGTCATCATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

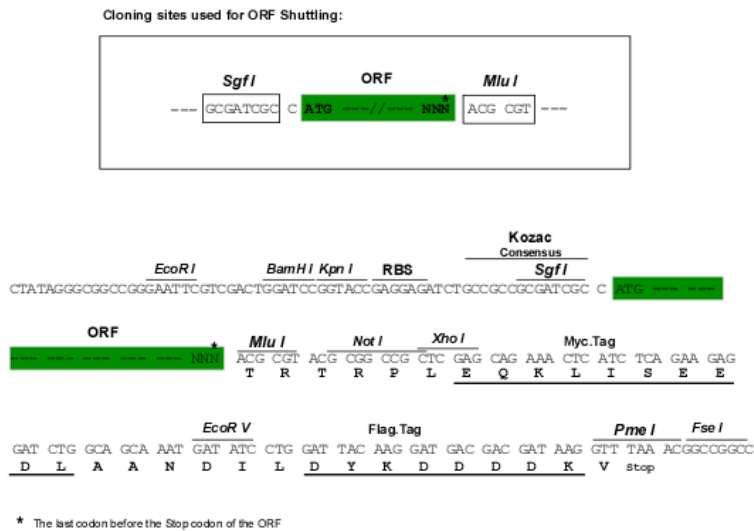
**Protein Sequence:** >RR203826 representing NM\_022960  
 Red=Cloning site Green=Tags(s)

MPSEKDGAKKSLMQRLALKSRIAKETLSEFLGTFIMIVLGCSSIAQAVLSRERFGGITITINIGFASAVVM  
 ALYVTFGISGGHINPAVSFAMCAFGRMEWFKFPFYVGAQFLGAFVGAATVFGIYYDGLMAFAGGKLLVVG  
 ENATAFIFATYPAPFISTPGAFVDQVVSTMFLLLIVFAMFDSRNLGVPRGLEPVVIGLLIIVLSCSLGLN  
 SGCAMNPARDLSPRLFTALAGWGFEVFTVGNNFWWIPVVGPMIGAFLLGGLIYILFIQMHHSKLDPDMKAE  
 PSENNLEKHELVSIM

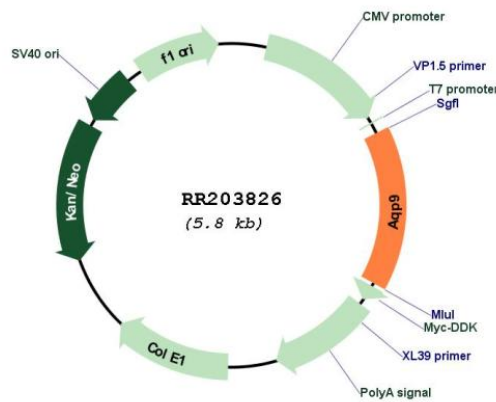
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_022960

**ORF Size:** 885 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_022960.2</a> , <a href="#">NP_075249.1</a>
<b>RefSeq Size:</b>	1740 bp
<b>RefSeq ORF:</b>	888 bp
<b>Locus ID:</b>	65054
<b>UniProt ID:</b>	<a href="#">P56627</a>
<b>Cytogenetics:</b>	8q24
<b>MW:</b>	31.9 kDa
<b>Gene Summary:</b>	solute channel involved in passage of carbamides, polyols, purines, and pyrimidines [RGD, Feb 2006]