

## Product datasheet for RN204887

### Aqp6 (NM\_022181) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Aqp6 (NM_022181) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aqp6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN204887 representing NM_022181 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCCTGGGCTGTGTAAACAGGGCTTACCTGCTGGTTGGCGGGCTTTGGACCGCCATCAGCAAGGCGC  
TTTTTGCTGAGTTCCTGGCCACAGGGCTGTACGTTTTCTTTGGTGTGGGCTCCGTCCTGCCCTGGCCCGT  
GGCGCTTCCCTCTGTGCTGCAGGTTGCCATCACGTTCAACCTGGCCACAGCCACAGCTGTGCAGATCTCC  
TGGAAAGACCAGCGGGGCCACGCCAACCCCGCTGTGACCCTGGCCTACCTCGTGGGATCCCACATCTCTC  
TGCCCGGGCTGTGGCTACATAGCTGCTCAGCTGGCTGGGGCTACAGTTGGGGCTGCTCTTTATGG  
GGTAACTCCAGGAGGTGTCCGAGAGACCCTTGGAGTCAACGTGGTCCACAACAGCACCTCGACTGGCCAG  
GCGGTGGCCGTGGAGCTGGTTCTGACGCTGCAGTTGGTTCTCTGTGTCTTTGCTTCCATGGACAGTCGGC  
AGACCTTGGGCTCCCAGCTGCCATGATTGGGACCTCTGTGGCACTGGCCATCTCATTGGGATCTACTT  
CACTGGCTGTTCCATGAACCCAGCTCGCTCCTTCGGCCCTGCGGTATTGTTGGGAAGTTTGCAGTCCAT  
TGGATCTTCTGGGTAGGACCGCTCACAGGGGCTGTCTGGCTTCGCTGATCTACAACCTTTATCTTGTTC  
CTGACACCAAGACCGTAGCCAGCGATTGGCCATCCTTGTGGGTACCACAAAGGTGGAGAAAGTGGTAGA  
CCTGGAGCCCCAGAAGAAAGAATCACAGACGAACCTCAGAGGACACAGAAGTGAGCGT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_022181
Insert Size:	831 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_022181.1</a> , <a href="#">NP_071517.1</a>
<b>RefSeq Size:</b>	1315 bp
<b>RefSeq ORF:</b>	831 bp
<b>Locus ID:</b>	29170
<b>UniProt ID:</b>	<a href="#">Q9WTY0</a>
<b>Cytogenetics:</b>	7q36
<b>Gene Summary:</b>	may play a role in nitrate transport and cellular regulation [RGD, Feb 2006]