

Product datasheet for **RR208124**

Aqp8 (NM_019158) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aqp8 (NM_019158) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Aqp8
Synonyms: AQP-8
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208124 representing NM_019158
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCTGGGGAGCAGACGCCGATGTGTAGTATGGACCTACGTGAGATCAAGGGGAAGGAGACCAACATGG
CTGACAGTTACCATGGCATGTCCTGGTATGAGCAGTACATAAACCGTGTGTGGTGGAACTTTTGGGCTC
CGCTCTTTCATCTTCATTGGGTGTCTATCGGTCATCGAGAACAGTCAAATACTGGGCTCCTGCAGCCT
GCCTGGCTCATGGCTGGCCTTGGGGCTCATCATTGCTACCTTGGGGAACATCAGCGGTGGACACTTCA
ACCCTGCTGTGTCGCTGGCAGTCACACTGGTGGAGGCCTCAAGACCATGCTGCTAATCCCTACTGGGT
CTCCCAGCTGTTTGGGGGAATGATCGGAGCTGCCCTGGCTAAGGTGGTGGTCCAGAGGAAAGGTTCTGG
AATGCGTCTGGGGCAGCCTTTGCCATAGTCCAGGAGCAGGAGCAGGTGGCAGAAGCCCTGGGGGTAGAGA
TCGTTATGACGATGCTGTTGGTATTGGCTGTGTATGGGTGCCGTCATGAGAAGACAATGGGTCCCCT
AGCCCCATTCTCCATTGGTTTCTCTGTCTATTGTGGATATCCTGGCAGGTGGTGGGATCTCTGGAGCCTGC
ATGAACCCTGCTCGTGCCTTTGGACCTGCTGTGATGGCTGGCTACTGGGACTTCCATTGGATCTACTGGC
TGGGCCACTCCTGGCTGGCCTTTGTGGGACTGCTCATTAGGCTCTTCATTGGAGATGAGAAAACCCG
CCTGATTCTAAAGTCGAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR208124 representing NM_019158
Red=Cloning site Green=Tags(s)

MSGEQTPMCSMDLREIKGKETNMADSYHGMSWYEQYIQPCVVLLGSALFIFIGCLSVIENSPNTGLLQP
 ALAHGLALGLIIATLGNISGGHFNPAVSLAVTLVGGLKTMLLIPYWVSQLFGGMIGAALAKVVSPEERFW
 NASGAFAIVQEQQVAEALGVEIVMTMLLVAVCMGAVNEKTMGPLAPFSIGFSVIVDILAGGGISGAC
 MNPARAFGPAVMAGYWDFHWIYWLGPLLAGLVGLLIRLFIGDEKTRLILKSR

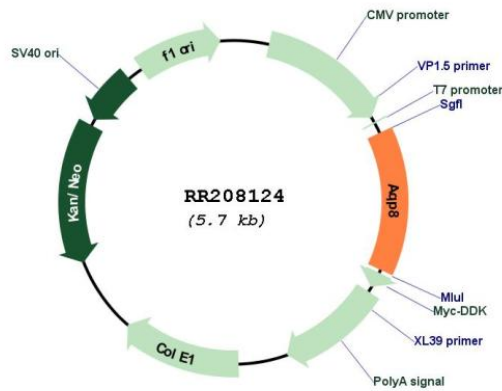
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019158
ORF Size: 789 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:	<ol style="list-style-type: none"> 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_019158.1 , NM_019158.2 , NP_062031.1
RefSeq Size:	1568 bp
RefSeq ORF:	792 bp
Locus ID:	29172
UniProt ID:	P56405
Cytogenetics:	1q36
MW:	28.1 kDa
Gene Summary:	plays a role in water transport across hepatocyte membranes [RGD, Feb 2006]