

Product datasheet for **RN212078**

Aqp7 (NM_019157) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aqp7 (NM_019157) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aqp7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN212078 representing NM_019157 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGTTCTGTGCTGGAGAACATACAATCAGTGCTACAGAAGACTTGGGTGCGTGAGTTCCTGGCGG
AGTTCCTGAGTACCTATGTCTTGATGGTGTGGCCTTGGTCCGTGGCTCATATGGTCTAGGAGAAAG
GCTTGGCAGCTATCTGGGTGCACTTGGGTTTGGTTTCGGAGTGACCATGGGAATACATGTGGCAGGC
GGCATCTCTGGAGCCACATGAACGCCGCGGTGACTTTCCTAACTGTGCACTAGGCCGAATGGCCTGGA
AGAAGTCCCTATATATGTGCTGGGTGAGTTCCTGGGTTCTTCTAGCTGCAGCTACCACCTACTTAAT
TTTCTATGGTGCCATTAACTCACTATGCAGGTGGAGAACTGTTGGTGACAGGTCCCAATCCACTGCAAAAC
ATTTTGGCCACCTATCTTCTGAACACATGACGCTGTGGCGGGGCTTCGTGGATGAGGTATTTGTGACTG
GGATGCTCCAGCTGTGTATCTTCGCCATCACGGACAAGTTGAACAGTCCAGCACTTCAAGGGACCGAGCC
CCTCATGATAGGCATCCTGTTTGCCTTCTGGGTGTCCTAGGCATGAACACAGGATATGCAATCAAC
CCATCCCGTGACCTGCCTCCCGGTTCTTCACTTTCATTGCTGGCTGGGCAAGAAAGTGTTCAGTGCCG
GGAACAACTGGTGGTGGGTGCCGGTGGTGCCACCCCTTCTGGGTGCCTACTTAGGTGGCATTGTATACCT
GGGCTTAATTCACGCCGCATACCACCACAGGGTTCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_019157
Insert Size:	810 bp



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OTI Disclaimer:	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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_019157.2 , NP_062030.2
RefSeq Size:	1267 bp
RefSeq ORF:	810 bp
Locus ID:	29171
UniProt ID:	P56403
Cytogenetics:	5q22
Gene Summary:	may play a role in fluid transport and homeostasis during testis development and spermatogenesis [RGD, Feb 2006]