

Product datasheet for RN203590

Aqp1 (NM_012778) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aqp1 (NM_012778) Rat Untagged Clone
Tag: Tag Free
Symbol: Aqp1
Synonyms: CHIP28
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN203590 representing NM_012778
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCCAGCGAAATCAAGAAGAAGCTCTTCTGGAGGGCTGTGGTGGCTGAGTTCCTGGCCATGACCCCTCT
 TCGTCTTCATCAGCATCGGTTCTGCCCTAGGCTTCAATTACCCACTGGAGAGAAACCAGACGCTGGTCCA
 GGACAATGTGAAGGTGTCACTGGCCTTTGGTCTGAGCATCGCTACTCTGGCCAAAGTGTGGGTACATC
 AGTGGTGTCACTCAACCCAGCGGTCACTGGGGCTTCTGCTCAGCTGTGAGATCAGCATCCTCCGGG
 CTGTCATGTATATCATCGCCAGTGTGTGGGAGCCATCGTTGCCCTCCGCCATCCTCTCCGGCATCACCTC
 CTCCTGCTCGAGAACTCACTTGGCCGAAATGACCTGGCTCGAGGTGTGAACTCCGGCCAGGGCCTGGGC
 ATTGAGATCATTGGCACCTGCAGCTGGTGTGTGCGTTCTGGCTACCACTGACCGGAGGCGCCGAGACT
 TAGGTGGCTCAGCCCACTTGCCATTGGCTTGTCTGTGGCTCTTGGACACCTGCTGGCCATTGACTACAC
 TGGCTGTGGGATCAACCTGCCCGGTCAATTTGGCTCTGCTGTGCTCACCCGCAACTTCTCAAACCACTGG
 ATTTTCTGGGTGGGACCATTCAATGGGAGTGCCCTGCCAGTGTGATCTATGACTTATCCTGGCCCCAC
 GCAGCAGCGACTTACAGACCGCATGAAGGTGTGGACCAGTGGCCAAGTGGAGGAGTATGACCTGGATGC
 TGATGATATCAACTCCAGGGTGGAGATGAAGCCAAATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_012778
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:	<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_012778.1 , NP_036910.1
RefSeq Size:	2623 bp
RefSeq ORF:	810 bp
Locus ID:	25240
UniProt ID:	P29975
Cytogenetics:	4q24
Gene Summary:	integral membrane protein that is a major water transport molecule in the kidney proximal tubule and red blood cells [RGD, Feb 2006]