

Product datasheet for **SC101032**

AQP11 (NM_173039) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AQP11 (NM_173039) Human Untagged Clone
Tag:	Tag Free
Symbol:	AQP11
Synonyms:	AQPX1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_173039, the custom clone sequence may differ by one or more nucleotides

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ATGTCGCCGCTGCTGGGGCTCCGGTCCGAGCTGCAGGACACCTGCACCTCGCTGGGACTGATGCTGTCGG
TGGTGCTGCTCATGGGGCTGGCCCGGTAGTCGCCCGGCAGCAGCTGCACAGCCGGTGGCCACGCCTT
CGTCCTGGAGTTTCTAGCCACCTTCCAGCTCTGCTGCTGCACCCACGAGCTGCAACTGCTGAGCGAACAG
CACCCCGCGCACCCACCTGGACGCTGACGCTCGTCTACTTCTTCTCGTTGTGCATGGCCTGACTCTGG
TGGGCACGTCCAGCAACCCGTGCGGCGTGATGATGCAGATGATGCTGGGGGCGATGTCCCCGAGACGGG
TGCGGTGAGGCTATTGGCTCAGCTGGTTAGTGCCTGTGCAGCAGGACTGCACAAGCGCCTTGTGGAGC
TTGGGTCTGACCCAGTATCACGTCAGCGAGAGGAGCTTCGTTGCAAGAATCCCATCCGAGTCGACTTGC
TCAAAGCGGTATCACAGAGGCCGTCTGCTCCTTTCTCTTCCACAGCGCTCTGCTGCACTTCCAGGAAGT
CCGAACCAAGCTTCGTATCCACCTGCTGGCTGCACTCATCACCTTTTTGGTCTATGCAGGAGGAAGTCTA
ACAGGAGCTGTATTTAATCCAGCTTTGGCACTTTCGCTACATTTTCATGTGTTTTGATGAAGCATTCCCTC
AGTTTTTATAGTATACTGGCTGGCTCCTTCTTTAGGTATATTGTTGATGATTTTGATGTTTCAGCTTTTT
CCTTCCATGGCTGCATAACAACCATACAATTAATAAAAAGGAATAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_173039 unedited</p> <pre>TGGCGGCCCGGAATTCGCACGAGGCGCCTACAAGGCCCTGAGGGAGACTGCGGAGGGTG AGTGCGCGGTGGGCTCGGCTGACCGTTGGCCCTGCGGCCGGCGCCCTAGGCTACCTCCCT TCGCCTCCCCGCGCTCCCCGCGCTCCCCGCCTCCCCGCTCTCGGCTCTGGTTCCAA CACCCAGCGCCAAGCCGGGGAGGCGGGGAGGACTTCTTAAGTGTGCCGCTCGGGAGCCT CCCCTCGTCCCCTCCGAGGGGCGTGAAGAGGGGAGGGGCTGCGGACTTCGGACTCGGG CCTGGAGACCGCCTCTACCCAGAGCCGGAGCCCGCAACCCGCTCAGGCGGCGACGGAGC CATGTCGCCGCTGCTGGGGCTCCGGTCCGAGCTGCAGGACACCTGCACCTCGCTGGGACT GATGCTGTCGGTGGTGTCTATGGGGCTGGCCCGCTAGTCGCCCGGAGCAGCTGCA CAGGCCGGTGGCCACGCCTTCGTCTGGAGTTTCTAGCCACCTTCCAGCTCTGTGCTG CACCCACGAGTGAACCTGCTGAGCGAACAGCACCCCGCGCACCCACCTGGACGCTGAC GCTCGTACTTCTTCTCGCTTGTGCATGGCCTGACTCTGGTGGGACGTCCAGCAACCC GTGCGCGTGATGATGCANATGATGCNTGGGGGCATGTNCCCCGAGACGGGTGCGGTGA GGCTATTGGCTCAGCTGGGTAGTGCCCTGGCANCAAGTACTGCACAGCGCCTGGGAGCCT GGGGGCTGACCCATATCAGTCAAGGAGAGCTTCGCTTGGCAGATCCCATCCGAGTC GACTGCTCAAAGCGCATNACAAAAGGCCGNTGTNCTTTTCTCTTACAGGGCTCTGCT GACTNTTCAAGGAAATCCGAACCAAGCTTCGTATCCACCTGCTGGGCTGC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_173039 unedited</p> <pre>GCTCACAGGGNATGCCACCCCGGGACTCTGTCTCAGGAAAACAGCCATGACCGCGGCCG CAATCTAGAGTCCGGCCCCCCCCCCCCCCCCCTGCTCCTTCTAGCAGCACTTAATACA TCACTCAAAGAACAAGTCTTAAGTGAAGTACAGAATACCTCATTTTTCACAGTAATCTT TTTTTAAAGTCCAGTGATGAAAATAAAGGAGCTTCTCAAAGGAAGTAAACTG ATGAATCCAGTGCAGCCGTGTTTTCCATATGAGGTGATAAAATCTTTATCACATCCAGC TGGACTGTCTGTATGTTAGTCTGAGTCTTTGGAACAGTTATTCTTTTTATTAATTGTA TGGTTGTATGCAGCCATGGAAGGAAAAAGCTGAACATCAAAATCATCAACAATATACTT AAAGAAGGAGCCAGCCAGTATACTATAAAAAACTGAGGGAATGCTTCATCAAAACACATG AAATGTAGCGAAAGTGCCAAAGCTGGATTAATAACAGCTCCTGTTAGACTTCTCCTGCA TAGACCAAAAAGGTGNATGAGTGCAGCCAGCAGGTGGATACGAAGCTTGGTTCGGACTCC TGGGAGTGCAGCAGAGCGCTGTTGGAAGAAAGGAGCAGACGGCCTCTGTGATGACCGCT TTGAGCAAGTCACTTCGGATTGGGATTCTTGACGGAAGCTCCTCTCGCTGACGTGATAC TGGGGTCAGACCCAGCCTCCACAGGCCGCTTGGTGCAGTACCTGCTTGCCAGGGCACTT ACCAGCTGAGCCAATAGCCTCACCGCACCGTCTGCGGGGACATGCCCCCAACCTCATC TGCATCATCAC</pre>
Restriction Sites:	ECORI-NOT
ACCN:	NM_173039
Insert Size:	4700 bp
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_173039.1 , NP_766627.1
RefSeq Size:	1561 bp
RefSeq ORF:	816 bp
Locus ID:	282679
UniProt ID:	Q8NBQ7
Cytogenetics:	11q14.1
Protein Families:	Transmembrane
Gene Summary:	Aquaporins facilitate the transport of water and small neutral solutes across cell membranes. [UniProtKB/Swiss-Prot Function]