

Product datasheet for **SC302982**

Aquaporin 8 (AQP8) (NM_001169) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aquaporin 8 (AQP8) (NM_001169) Human Untagged Clone
Tag:	Tag Free
Symbol:	Aquaporin 8
Synonyms:	AQP-8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001169 edited ATGTCTGGAGAGATAGCCATGTGTGAGCCTGAATTTGGCAATGACAAGGCCAGGGAGCCG AGCGTGGGTGGCAGGTGGCGAGTGTCTGGTACGAACGGTTTGTGCAGCCATGTCTGGTC GAACTGCTGGGCTCTGCTCTTTCATCTTCATCGGGTGCCTGTCGGTCATTGAGAATGGG ACGGACACTGGGCTGCTGCAGCCGGCCCTGGCCACGGGCTGGCTTTGGGGCTCGTGATT GCCACGCTGGGAATATCAGTGGTGGACACTTCAACCCTGCGGTGTCCCTGGCAGCCATG CTGATCGGAGGCCTCAACCTGGTGTGCTCCTCCCGTACTGGGTCTCACAGCTGCTCGGG GGGATGCTCGGGGCTGCCTTGGCCAAGGCGGTGAGTCTGAGGAGAGGTTCTGGAATGCA TCTGGGGCGGCCCTTGTGACAGTCCAGGAGCAGGGCAGGTGGCAGGGCGTTGGTGGCA GAGATCATCCTGACGACCTGCTGGCCCTGGCTGTATGCATGGGTGCCATCAATGAGAAG ACAAAGGGCCCTCTGGCCCGTTCATCGGCTTTGCCGTACCGTGGATATCCTGGCT GGGGGCCCTGTGTCTGGAGGCTGCATGAATCCCGCCCGTCTTTTGGACCTGCGGTGGT GCCAACCACTGGAACCTTCCACTGGATCTACTGGCTGGGCCCACTCCTGGCTGGCCTGCT GTTGGACTGCTCATTAGGTGCTTCATTGGAGATGGGAAGACCCGCTCATCCTGAAGGCT CGGTGA
Restriction Sites:	Please inquire
ACCN:	NM_001169
Insert Size:	800 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).



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OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001169.2.
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:	<u>NM_001169.2, NP_001160.2</u>
RefSeq Size:	1315 bp
RefSeq ORF:	786 bp
Locus ID:	343
UniProt ID:	<u>O94778</u>
Cytogenetics:	16p12.1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	Aquaporin 8 (AQP8) is a water channel protein. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0). Aquaporin 8 mRNA is found in pancreas and colon but not other tissues. [provided by RefSeq, Jul 2008]