

## Product datasheet for RC219668

### Aquaporin 8 (AQP8) (NM\_001169) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Aquaporin 8 (AQP8) (NM_001169) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aquaporin 8
Synonyms:	AQP-8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219668 representing NM_001169 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTGGAGAGATAGCCATGTGTGAGCCTGAATTTGGCAATGACAAGGCCAGGGAGCCGAGCGTGGGTG  
GCAGGTGGCGAGTGTCTGGTACGAACGGTTTGTGCAGCCATGTCTGGTGAAGTCTGGGCTCTGCTCT  
CTTCATCTTCATCGGGTGCCTGTCGGTCATTGAGAATGGGACGGACTGGGCTGCTGCAGCCGGCCCTG  
GCCACGGGCTGGCTTTGGGGCTCGTGATTGCCACGCTGGGGAATATCAGTGGTGGACACTTCAACCCTG  
CGGTGTCCCTGGCAGCCATGCTGATCGGAGGCCCAACCTGGTGTGCTCCTCCGTAAGTGGTCTCACA  
GCTGCTCGGGGGGATGCTCGGGGCTGCCTTGCCCAAGGCGGTGAGTCTGAGGAGAGGTTCTGGAATGCA  
TCTGGGGCGCCCTTTGTGACAGTCCAGGAGCAGGGCAGGTGGCAGGGGCGTTGGTGGCAGAGATCATCC  
TGACGACGCTGCTGGCCCTGGCTGTATGCATGGGTGCCATCAATGAGAAGACAAAGGGCCCTCTGGCCCC  
GTTCTCCATCGGCTTTGCCGTACCGTGGATATCCTGGCTGGGGGCCCTGTGTCTGGAGGCTGCATGAAT  
CCCGCCGTGCTTTTGGACCTGCGGTGGTGGCCAACTGGAATTCCTACTGGATCTACTGGCTGGGCC  
CACTCTGGCTGGCCTGCTTGTGGACTGCTCATTAGTGCTTCATTGGAGATGGGAAGACCCGCTCAT  
CCTGAAGGCTCGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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.

**RefSeq:** [NM\\_001169.3](#)

**RefSeq Size:** 1315 bp

**RefSeq ORF:** 786 bp

**Locus ID:** 343

**UniProt ID:** [O94778](#)

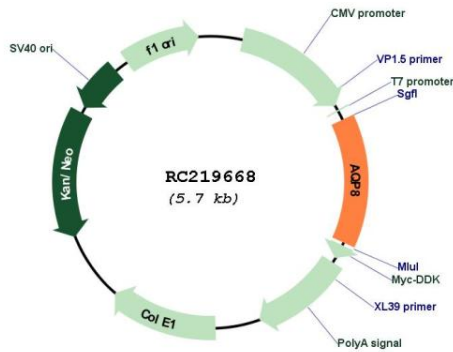
**Cytogenetics:** 16p12.1

**Protein Families:** Druggable Genome, Transmembrane

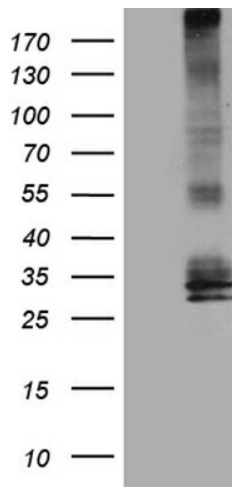
**MW:** 27.2 kDa

**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]

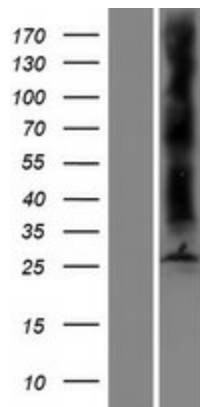
**Product images:**



Circular map for RC219668



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY AQP8 (Cat# RC219668, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AQP8 (Cat# [TA810776])(1:500). Positive lysates [LY420088] (100ug) and [LC420088] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY420088]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219668 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).