

Product datasheet for SC310564

AQP12 (AQP12A) (NM_198998) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AQP12 (AQP12A) (NM_198998) Human Untagged Clone
Tag:	Tag Free
Symbol:	AQP12
Synonyms:	AQP-12; AQP12; AQPX2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310564 representing NM_198998. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGCAGGTCTTAACGTGTCCCTCTCTTCTTTGCCACCTTCGCCCTCTGTGAGGCGGCCAGGCGG
 GCCTCCAAGGCCCTGCTCCAGTGGGCGCCTATGAAGTCTTCGCCCGGAGGCGATGAGGACGCTGGTC
 GAGCTCGGGCCCTGGGCTGGGGACTTTGGGCTGACCTGCTGCTCACCCTGCTCTTCCTGCTCTTCCTG
 GCGCACGGGTACCTTTGGACGGGGCTCGGCCAACCCTACTGTGCCCTGCAGGAGTTCCTCATGGCC
 GAGCAGTCTCTGCTGGCAGCTGTTGAAGCTGGCGGCACAGGGGCTGGGCATGCAGGCCGCTGCACC
 CTGATGCGCCTCTGCTGGCCTGGGAGCTCAGTGACCTGCACCTGCTGCAGAGCCTCATGGCCAGAGC
 TGCAGCTCGGCCCTGCGCACATCCGTGCCCCACGGGGCGCTTGTGGAGGCCGCTGCGCCTTTTGTTC
 CATCTGACCTCTGCACCTGCGGCACAGTCTCCCGCCTACAGCGGGCCGCTGTGGCTCTGTTGGTC
 ACCGTACAGGCCCTACAGGCCGGGCCCTTACGTCTGCCTTCTTCAACCCTGCCCTGGCCGCTCTGTG
 ACCTTTGCCTGCTCGGGACACACCTTACTGGAGTACGTGCAGGTGTACTGGCTGGGCCCTCTGACAGGG
 ATGGTCTGGCTGTGCTGCTGCACAGGGCCGCTTCCCCACCTTTCCAGAGGAACCTGTTCTACGGC
 CAGAAGAACAAGTACCGAGACCCCGAGGGAAGCCGGCCCCGCTCAGGGGACACCCAGACCCCTGCA
 AAGGGTCCAGTGTCCGGGAGCCTGGGCGCAGTGGTGTGAGGGGCCACATTCCAGCTGA
 ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_198998
Insert Size:	888 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
RefSeq:	<u>NM_198998.2</u>
RefSeq Size:	1097 bp
RefSeq ORF:	888 bp
Locus ID:	375318
UniProt ID:	<u>Q8IXF9</u>
Cytogenetics:	2q37.3
MW:	31.5 kDa
Gene Summary:	Aquaporins facilitate the transport of water and small neutral solutes across cell membranes. [UniProtKB/Swiss-Prot Function]