

## Product datasheet for **MC212512**

### Aqp12 (NM\_001159658) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Aqp12 (NM\_001159658) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Aqp12  
**Synonyms:** AB084104; mAQP12  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212512 representing NM\_001159658  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCAGTCTGAATGTGTCCCTCTGTTTCTTTTTGCTACTTGTGCCATCTGTGAGGTGGCTAGAAGGG  
CATCTAAAGCCCTGCTTCCAGCAGGTACCTATGCCAGTTTTGCCCGGGGGCAGTAGGCGCAGCCAGCT  
GGCAGCCTGCTGCCTGGAGATGCGAGTGTGGTGGAGCTTGGCCCTGGGCAGGGGGCTTCGGACCCGAC  
CTGTTGCTGACCCCTGGTCTTCTGCTTTTCTGTTACATGGGGTACCTTCGATGGGGCCTCTGCCAAC  
CCACCGTGGCCCTGCAGGAGTTCCTCATGGTGGAGGCATCGCTGCCAACACTCTGCTGAAACTGTCGGC  
CCAGGTGCTGGGTGCACAGGCTGCCTGTGCCCTGACCCAGCGCTGCTGGGCTGGGAGCTCAGCGAACTA  
CACTTACTACAGAGCCTCATGGCTGCACACTGCAGCTCAACCCTGCGTACATCCGTGCTGCAGGGCATGC  
TCGTGGAGGGTGCCTGCACCTTCTTCTCCATCTGAGCCTCCTCCACCTGCAGCACAGCCTTCTTGCTA  
CAGGGTGCCTGCCCTGGCCCTGCTGGTCACTCTCATGGCTACACAGGGCCCTACACATCTGCCTTCTTC  
AATCCTGCCCTGGCTGCCTCTGTACATTCCACTGCCCTGGGAACACCTTGCTGGAGTATGCCACAGTGT  
ACTGCCCTGGGTCCTGTGCAGGGATGATCCTGGCTGTCCCTCCATCAGGGCCACCTTCCCCGCCTTTT  
CCAGAGAAATCTGTTCTACCGGCAGAAAAGCAAATACCGAACTCCAGGGGGAAGCTGTCCCCAGTTCT  
GTGGACGCCAAGATGCACAAAGGGGAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001159658  
**Insert Size:** 870 bp



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|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_001159658.1</a>, <a href="#">NP_001153130.1</a></u>   |
| <b>RefSeq Size:</b>           | 1085 bp   |
| <b>RefSeq ORF:</b>            | 870 bp  |
| <b>Locus ID:</b>              | 208760  |
| <b>Cytogenetics:</b>          | 1 D   |
| <b>Gene Summary:</b>          | Aquaporins facilitate the transport of water and small neutral solutes across cell membranes. [UniProtKB/Swiss-Prot Function]<br>Transcript Variant: This variant (2) uses a different acceptor splice site at one of the coding exons compared to variant 1, resulting in an isoform (2) 1 aa shorter than isoform 1.  |