

Product datasheet for **MC227019**

Aqp9 (NM_001271843) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aqp9 (NM_001271843) Mouse Untagged Clone
Tag: Tag Free
Symbol: Aqp9
Synonyms: 1700020I22Rik; A1266899; AQP-9
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227019 representing NM_001271843
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCTGGCAGTTTTATTTATTTGTTTGTGGTTTGTGGTTATTTATTTATTTATTTATGTGTGTCACCAATGC
ACACAAGTGCATCTGAAAATGGCCTGCTGGAGTCAGCTCTCCTCCACCATCCTCCACCATGTGGACTC
TAGGGATGGAGCTCAGGTCATCAGGCCCGCAACAGGGACTTTTATCTCGTCCTTGGATGTGGCTCTATT
GCTCAAGCAGTCCCTCAGTCGAGAAAAGGCTGGTGGATCATCACTATCAATATTGGATTTGCAACCGCAG
TTGTGATGGCTCTTTATGCGACTTTTGGTGTCTCTGGGGCCACATCAACCCAGCGGTGTCTTTTGAAT
GTGCACCTTTGGAAGGATGGAGTGGTTCAAGTCCCTTTTATGTGGGAGCTCAGCTTTTGGGAGCCTTT
GTCGGGGCTGCAACTGTCTTTGGCATTACTATGACGGACTCATGGCCTTTGCTGATGGAAGCTGCTCA
TCACGGGAGAAAATGGAACGGCGTTTATTTTCGCGACATACCCAAAACATTTGTATCCGTGCCAGGTGC
CTTTGTAGACCAAGTGGTGTCTACCATGTTCTCCTTCTGATTGTCTTTGCCATCTTTGACTCCAGAAAC
CTGGGGGTCCCCAGAGGCTGGAGCCATTGTCATTGGCCTCCTAATCATTGTCAATTTCTGTCTCG
GACTCAACTCTGGTTGTCCATGAACCTGCTCGAGACCTCAGCCCAGGCTCTTCACTGCTCTGGCAGG
ATGGGGATTTGAGTCTTACATTTGAAATAACTTCTGGTGGATACCTGTCGTGGGCCCTATGATTGGA
GCTGTCTCGGGAGTCTCATCTATGTTCTTTTATCCAAATGCATCACTCGAACCCCGACCCAGAAGTGA
AGGCAGAACCAGCCGAGAACAATCTAGAAAACACGAACTCAGCGTCATCATG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271843
Insert Size: 966 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001271843.1</u> , <u>NP_001258772.1</u>
RefSeq Size:	2646 bp
RefSeq ORF:	966 bp
Locus ID:	64008
Cytogenetics:	9 D
Gene Summary:	<p>This gene encodes a member of the aquaglyceroporin subfamily of aquaporins. This protein transports water, glycerol, urea, purines and pyrimidines and plays a role in glycerol metabolism and osteoclast differentiation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region and uses an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct and longer N-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>