

## Product datasheet for **MR224809L4V**

### Aqp2 (NM\_009699) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Aqp2 (NM_009699) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Aqp2
Synonyms:	AQP-CD; cph; jpk; WCH-CD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009699
ORF Size:	813 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224809).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_009699.3</a>
RefSeq Size:	1416 bp
RefSeq ORF:	816 bp
Locus ID:	11827
UniProt ID:	<a href="#">P56402</a>
Cytogenetics:	15 56.13 cM



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**Gene Summary:**

Forms a water-specific channel that provides the plasma membranes of renal collecting duct with high permeability to water, thereby permitting water to move in the direction of an osmotic gradient (PubMed:10191086). Plays an essential role in renal water homeostasis (PubMed:16641094).[UniProtKB/Swiss-Prot Function]