

## Product datasheet for **MR208298L4V**

### **Aldh1a2 (NM\_009022) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Aldh1a2 (NM_009022) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Aldh1a2
Synonyms:	Aldh1a7; AV116159; Raldh1; Raldh2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009022
ORF Size:	1557 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208298).
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_009022.4</a> , <a href="#">NP_033048.2</a>
RefSeq Size:	2264 bp
RefSeq ORF:	1557 bp
Locus ID:	19378
UniProt ID:	<a href="#">Q62148</a>
Cytogenetics:	9 39.85 cM



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**Gene Summary:**

Converts retinaldehyde to retinoic acid (PubMed:8797830). Recognizes as substrates free retinal and cellular retinol-binding protein-bound retinal (By similarity). Lacks activity with benzaldehyde, acetaldehyde and octanal (PubMed:8797830). Displays complete lack of activity with citral (By similarity).[UniProtKB/Swiss-Prot Function]