

Product datasheet for **MR208902L4V**

Aldh4a1 (NM_175438) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Aldh4a1 (NM_175438) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Aldh4a1
Synonyms:	A930035F14Rik; Ahd-1; Ahd1; Aldh4; Aldh5a1; E330022C09; P5cd; P5cdh; P5cdhl; P5cdhs; Ssdh1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_175438
ORF Size:	1689 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208902).
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. More info
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:	NM_175438.3 , NP_780647.2
RefSeq Size:	3355 bp
RefSeq ORF:	1689 bp
Locus ID:	212647
UniProt ID:	Q8CHT0
Cytogenetics:	4 70.79 cM



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Gene Summary:

Irreversible conversion of delta-1-pyrroline-5-carboxylate (P5C), derived either from proline or ornithine, to glutamate. This is a necessary step in the pathway interconnecting the urea and tricarboxylic acid cycles. The preferred substrate is glutamic gamma-semialdehyde, other substrates include succinic, glutaric and adipic semialdehydes (By similarity).
[UniProtKB/Swiss-Prot Function]