

Product datasheet for **MR207483L4V**

Aldh3b1 (NM_026316) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Aldh3b1 (NM_026316) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Aldh3b1
Synonyms:	1700001N19Rik; ALDH4; ALDH7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_026316
ORF Size:	1407 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR207483).
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_026316.2
RefSeq Size:	1915 bp
RefSeq ORF:	1407 bp
Locus ID:	67689
UniProt ID:	Q80VQ0
Cytogenetics:	19 A



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Gene Summary:

Oxidizes medium and long chain saturated and unsaturated aldehydes (PubMed:25286108). Metabolizes also benzaldehyde (By similarity). Low activity towards acetaldehyde and 3,4-dihydroxyphenylacetaldehyde (By similarity). May not metabolize short chain aldehydes. Can use both NADP(+) and NAD(+) as electron acceptor (By similarity). May have a protective role against the cytotoxicity induced by lipid peroxidation (By similarity).[UniProtKB/Swiss-Prot Function]