

Product datasheet for **MR207744L3V**

Aldh3a2 (NM_007437) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Aldh3a2 (NM_007437) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Aldh3a2
Synonyms:	Ahd-3; Ahd-3r; Ahd3; Ahd3-r; A1194803; Aldh4; Aldh4-r; FALDH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_007437
ORF Size:	1455 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR207744).
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_007437.2
RefSeq Size:	3193 bp
RefSeq ORF:	1455 bp
Locus ID:	11671
UniProt ID:	P47740
Cytogenetics:	11 37.96 cM



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Gene Summary:

Catalyzes the oxidation of medium and long-chain aliphatic aldehydes to fatty acids. Active on a variety of saturated and unsaturated aliphatic aldehydes between 6 and 24 carbons in length (PubMed:25286108). Responsible for conversion of the sphingosine 1-phosphate (S1P) degradation product hexadecenal to hexadecenoic acid (PubMed:25286108).
[UniProtKB/Swiss-Prot Function]