

## Product datasheet for **MR207744L4V**

### **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-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| 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. <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_007437.2</a>  |
| RefSeq Size:              | 3193 bp  |
| RefSeq ORF:               | 1455 bp  |
| Locus ID:                 | 11671  |
| UniProt ID:               | <a href="#">P47740</a>   |
| Cytogenetics:             | 11 37.96 cM  |



[View online »](#)

**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]