

## Product datasheet for **MC227906**

### **Aldh3b3 (NM\_028545) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Aldh3b3 (NM_028545) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aldh3b3
Synonyms:	1700055N04Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC227906 representing NM\_028545  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCACCAAAGGCCAAACACCCACGAGCAGATCAGGGGACGGACCCTTTTGAAGAAAAGCTACAGAGGC  
 TGAAGGAGGCCTTCAACACAGGGAAGACAAAGACGGCTAAGTTCAGGGCTGAACAACTGCAGAGCCTGGG  
 CCGCTTCTGCAGGACAATAGCAAACAGCTTCATGACGCCCTGGATGGAGACCTGGGCAAGTCAGGCTTC  
 GAGTCAGACATGAGTGAGATCATTCTGTGCGAGAATGAGGTGGACCTGGCCCTCAAGAACCTGCAGACCT  
 GGATGAAGGATGAGCCTGTGTCCACCAACTGTCTACCAAGCTGAGCACAGCTTTCATCCGAAAGAGCC  
 CTTTGGCCTGGTCTTATCATTGCACCTGGAATTATCCTGTGAACCTTGATGATCATACCTTTAGTGGGG  
 GCCATTGCTGCAGGAACTGTGTGGTGTGAAGCCATCAGAAATTAGCAAGAACACAGAGAAGGTGCTGG  
 CAGAGCTGCTACCCAGTATCTGGACCAGAGCTGCTTTGCTGTGATGTTGGGAGGACCCGAGGAGACCGG  
 GCAGCTGCTGGAACACAAATTTGACTATATCTTCTCACAGGAAGTCTCGGGTAGGCAAGATCGTCATG  
 ACTGCTGCTGCCAAACACCTGACACCCATCACCTGGAGCTGGGGGTGAAGAACCCTGCTATGTGGATG  
 ACAACTGCGACCCCAAGACAGTGGCCAACCGTGTGGCCTGGTTCCGCTATTTCAATGCCGGCCAGACCTG  
 TGTGGCCCCGATTATATCCTGTGTAGCCAGGAGATGCAGGAGCAGTTGGTGCCTGCCCTGCAGAATGCC  
 ATCACGCGTTTCTATGGAGATAACCCACAGACCTCCCCAACCTGGGCAGAATCATCAACCAGAAGCATT  
 TCAAGAGGCTCCAGGGATTGCTGGGCTGTGGCCGTGTGGCCATCGGTGGCCAGAGTGTGAGGGAGAGCG  
 CTACATTGCCCCACAGTGTTAGTGGACGTGCAGGAGACAGAGCCCGTGTGCAGGAGGAGATCTTTGGG  
 CCCATCCTGCCCTGGTACTGTGAGAAGCCTGGATGAAGCCATCGAGTTCATGAACCAGCGGAAAAAGC  
 CGTATCGCCTTTATGCCTATTTCCAACAACGACAGAGTGCATCAAACAGGTGTTGGCCCGGACAGCAGCGG  
 GGGCTTCTGTGGGAACGATGGCTTCATGTACATGACCCTGTCCAGCCTTCTTTTGGAGGAGTGGGATCG  
 AGTGGGATGGGACAGTACCACGCAAGTCTCCTTTGACACCTTCTCCAACCAGCGTGCCTGTCTGCTGA  
 GCTGCCCTGGGATGGAGAAGCTTAATGGCCTCCGTTACCCGCCCTATAGTCCCGTAGGCAGCAGCTGCT  
 AAGATGGGCTATCGGCTCTGAGAGCTGCACCCTTCTGTAA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_028545

**Insert Size:** 1440 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_028545.2](#), [NP\\_082821.2](#)

**RefSeq Size:** 1999 bp

**RefSeq ORF:** 1440 bp

**Locus ID:** 73458

**UniProt ID:** [J3QMK6](#)

**Cytogenetics:** 19 A

**Gene Summary:** Oxidizes medium and long chain aldehydes into non-toxic fatty acids.[UniProtKB/Swiss-Prot Function]