

## Product datasheet for **MC216761**

### **Aldh3b2 (NM\_001177438) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Aldh3b2 (NM_001177438) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aldh3b2
Synonyms:	A1848594; C130048D07Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216761 representing NM\_001177438  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTGCTGCAGAGACAGGCTCGGAGCCCTCTCAGGGGGCAGGCCCTCTGAGGCCACACTGCACAGCC  
 TGCGGGAGGCCTTCAATGCAGGGCGGACTCGGCCACTGAGTTTCGGACTGCACAGCTGCGGAGCCTGGG  
 TCGCTTCTGCAGGAAAACAAAGAGCTGCTGCAAGATGCACTGGCTAAGGACGTGGGCAAGTCAGGCTTC  
 GAGTCAGACATGAGTGAGATCATCCTGTGCGAGAATGAGGTGGACCTGGCCCTCAAGAACCTGCAGACCT  
 GGATGAAGGACGAGCCTGTGTCCACCACTTGCTCACCAAGCTGAGCTCAGCCTTCATCCGAAAGAGCC  
 CTTTGGCCTGGTCTTATCATTGCACCCCTGGAATTATCCTGTGAACCTTGATGATACATCTTTAGTGGGG  
 GCCATTGCTGCAGGAACTGTGTGGTGTGAAGCCATCAGAAATTAGCAAGAACACAGAGAAGGTGCTGG  
 CAGAGCTGCTGCCCCAGTATCTGGACCAGAGCTGCTTTGCTGTGATGTTGGGAGGACCCGAGGAGACCAG  
 GCAGCTGCTGGAACACAAATTTGACTATATCTTCTTACAGGAAGTCTCGGGTAGGCAAGATCGTCATG  
 ACTGCTGCTGCCAACACCTGACACCCATCACCTGGAGCTGGGGGTAGAACCCTGCTATGTGGATG  
 ACAACTGCGACCCCCAGACAGTGGCCAACCGTGTGGCCTGGTTCCGCTATTTCAATGCCGCCAGACCTG  
 TGTGGCCCCGATTATATCCTGTGTAGCCAGGAGATGCAGGAGCGGTTGGTGCCTGCCCTGCAGAATTCC  
 ATCACGCGTTTCTATGGAGATAACCCACAGACCTCCCCAACCTGGGCAGAATCATCAACCAGAAGCATT  
 TCAAGAGGCTCCAGGGATTGCTGGGCTGTGGCCGTGTGGCCATCGGTGGCCAGAGTGATGAGGGAGAGCG  
 CTACATTGCCCCACAGTGTGGTAGACGTGCAGGAGACAGAGCCGTGATGCAGGAGGAGATCTTTGGG  
 CCCACTGCCCTGGTACTGTGAGAAGCCTGGATGAAGCCATTGAGTTCATCAACCGCGGGAGAAGC  
 CTCTGGCGCTGTATGCCCTTCCAACAACAACCAAGGTGGTGAATCAGATGTTGGAACGCCAGCAGCAGCGG  
 TGGCTTTGGAGGCAACGATGGCTTCTCTACCTGACCCTACCAGCTCTGCCTTTGGGGGGAGTTGGCAAC  
 AGCGGGATGGGACAGTACCATGGCAAGTCTCCTTTGACACCTTCTCCACCATCGTGCCTGCTGCTGC  
 GCAGCCCTGGGATGGAAGCTTAATGACCTCCGTTACCCGCTTATGGTCCCTGGAACCAACAAGTAT  
 AAGCTGGCCATAGGCTCCCGAGCTGCACCCTCTG**TGA**

AG**GCGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001177438

**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).

**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\\_001177438.1](#), [NP\\_001170909.1](#)  
RefSeq Size: 2161 bp  
RefSeq ORF: 1440 bp  
Locus ID: 621603  
UniProt ID: [E9Q3E1](#)  
Cytogenetics: 19 A  
Gene Summary: Oxidizes medium and long chain aldehydes into non-toxic fatty acids.[UniProtKB/Swiss-Prot Function]