

Product datasheet for **MC203989**

Aldh1b1 (NM_028270) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aldh1b1 (NM_028270) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aldh1b1
Synonyms:	2700007F14Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC020001
 CTAGAATTTGAGCCTGAGCGCGATTTCGGAGCCTGAGCCCCAGACCACCGCAGGTCTCAGGATGCTGACT
 GCCCGACTCTTGCTGCCCGGCTCCTCTGCCTCCAGGGCAGGACTACCTTTACTCTACAGCAGCTGCTC
 TCCCGAACCCAATCCCAAACCCAGAGATTTGCTACAACAAGCTGTTTCATCAACAACGAGTGGCATGATGC
 GGTCAGCAAAAAGACCTTCCCCACAGTGAACCCCACTACAGGTGAGGTGATTGGGCATGTGGCCGAAGGT
 GACCGGGCAGATGTGGATCTGGCTGTAAAAGCAGCCCGAGAAGCCTTCCGCCTGGGGTCCCATGGCGCA
 CTTGGCCTCACTGGAGACGCTAGATAACGGGAAACCTTTCCAGGAGTCTTATGTCTTGGATCTGGATGAA
 GTCATCAAGGTGTACCGTTACTTCGCTGGCTGGGCTGACAAGTGGCATGGTAAGACCATCCCTATGGATG
 GTGAGCATTTCTGCTTACCCGACATGAGCCAGTGGGTGTCTGTGGCCAGATAATCCCTTGGAACTTCCC
 ACTGGTCATGCAGGGCTGGAAGCTGGCCCCGGCACTCGCCACGGGCAACACTGTGGTCATGAAGGTGGCA
 GAGCAGACCCCACTCTCTGCTGTACTTGGCCTCCCTCATCAAAGAGGCGGGGTTTCCCCAGGAGTGG
 TGAACATCATCACTGGCTACGGCCCCACGGCGGGAGCTGCCATCGCTCAGCAGATGGATGTGGATAAAGT
 CGCCTTACGGGCTCCACTGAGGTAGGCCACCTGATTGAGAAGGCAGCTGGCGAGTAACTCAAGAGA
 GTCACCCTGGAGCTGGGTGGGAAGAGCCCCAGCATTGTGCTGGCAGACGCTGACATGGAGCATGCCGTAG
 ATCAGTGTACGAAGCCCTTTTCTTCAACATGGGCCAGTGTGCTGTGCAGGCTCCCGGACATTCGTGGA
 AGAGTCCATCTACCGTGAGTTTCTCGAGAGAACTGTGGAGAAGGCCAAGCAGAGGAAAGTGGGGAACCCC
 TTTGAGTTGGACACCCAGCAGGGACCTCAGGTGGACAAGGAGCAGTTTGAACGAATCCTGGGCTACATCC
 GGCTGGGACAGAAGGAAGGGGCAAAGCTTCTCTGTGGCGGGGAGCGTTTGGGGGAGCGGGCTTCTTCAT
 CAAACCCACAGTCTTCGGGGACGTTTCAGGATGGCATGAGGATCGCCAAGGAGGAGATCTTGGGCCCGTG
 CAGCCTCTGTTCAAGTTCAAGAAGATCGAGGAAGTAATCCAGAGAGCCAAACAACACCAGGTATGGCCTGG
 CTGGCGCTGTGTTCAACCGAGACCTGGACAAGGCCATCTACTTCACGCAGGCCCTGCAAGCTGGGACGCT
 GTGGGTGAACACCTATAACATTGTCACTGCCACACGCCATTTCGGAGGCTTTAAGGAATCTGGCAATGGC
 AGGGAGCTGGGGAGGACGGGCTCAGAGCCTACACGGAGGTGAAGACTGTCAACATCAAGGTTCCCGAGA
 AGAATTCCTGAGATTGGCCATCTTGGAGGCCACGCCCTGTCTGCAGCTCCGTGACATCTAGCCAGTGG
 GGGCAAAATCTGATTTACGCTGAGTTCCAGTGAAGTGTACAAGAAGTGTCAACCAATAAAGTAGTCC
 AGCCAGAGCTTTTCTACTTAAAGCAGAGACGGTGGCTGGGCCAGAGTGCAGCCATTTTCATCCCTCGGT
 CCCACCTCTCTGATGAGTTATAGCCAAGAAGCCTTAGGAGTCTCCATAAGGCATATTTCAAACCCTGAC
 TGGCCATAAAAAGGAGTGTGGCTGATCCCGGGCCACAGGGATCCTCAAAAACAGAACGATCAGTGAA
 GGACCGCGGCCACATCGATCAGTGTGGCTGGGACCGGGGAGGGGAATGGGAAGGACCCTCGT
 GGATGTGGGGCTCCTCTTGGGGAGGTTTTGAAAATGTTGTGGAATTGGGCAATGGACACAGTTGGACAA
 CTTTGCAGTCATACTGATTTACTATCAAATTATGCACTTAATTAAGGTATGGGAATTAATTTCACTTGAA
 AATTAATAAAGCTCAGTGTCTATTTGCAA

Restriction Sites: RsrII-NotI

ACCN: NM_028270

Insert Size: 1560 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: [BC020001](#), [AAH20001](#)

RefSeq Size: 2236 bp

RefSeq ORF: 1560 bp

Locus ID: 72535

UniProt ID: [Q9CZS1](#)

Cytogenetics: 4 B1

Gene Summary: ALDHs play a major role in the detoxification of alcohol-derived acetaldehyde. They are involved in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation (By similarity).[UniProtKB/Swiss-Prot Function]