

Product datasheet for **MC216984**

Aldh1a7 (NM_011921) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aldh1a7 (NM_011921) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aldh1a7
Synonyms:	Ahd2-like; AI987940; Aldh-pb; Aldh1a4; Aldhpb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216984 representing NM_011921
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCTTCACCTGCACAACCTGCAGTCCCTGCCCGCTGGCCAACTTGAAGATTCAACATACCAAGATCT
TTATAACAATGAATGGCATGATTTCGGTGAGCAGCAAGAAATTTCTGTCCTTAACCTGCAACTGAGGA
GGTCATCTGCCACGTGGAAGAAGGGGACAGGCTGATGTTGACAAAGCTGTGAAGCCGCAAGACAGGCT
TTCCAGATTGGCTCCCCATGGCGCACCATGGATGCTTCAGAGAGGGGCGCCTGTGAACAAGCTGGCTG
ACTTAATGGAGAGAGATCGTCTGCTGCTGGCTACAATGGAATCGATGAATGCTGGGAAAGCTTTGCTCA
TGCATACCTGTTGGATGTAGAGATCAGCATAAAAGCATTACAGTACTTCGCAGGCTGGGCTGACAAGATC
CATGGCCAAACAATACCCAGTGATGGAACATATTCATTATACAAGGCTGAACCTATTGGGGTGTGTG
GCCAAATCATCCCTTGAATGGTCCATTGATTATATTCATTGGAAGTTAGGCCCTGCCCTTAGCTGTGG
GAACACTGTGGTTGTCAAGCCAGCAGAGCAAACCTCTCACAGCTCTTCACATGGCATCTTTAATAAAA
GAGGCAGGGTTTCTCCTGGCGTGGTGAACATTGTCCCTGGTTATGGGCCAACTGCAGGGGAGCCATCT
CCTCCACATGGACATCGACAAAGTGCTTTCACAGGATCAACAGAGGTTGGCAAATTAATCAAGGAAGC
TGCAGGGAAAAGCAATCTGAAGAGAGTCAACCCTGGAGCTGGGGGAAAGAGCCCTTGCAATGTGTTTGA
GATGCCGACTTGGACAGTGTGTTGAGTTTGCACACCAAGGAGTGTCTTCCACCAGGGTCAAGTTTGTG
TTGACGCTCCAGGCTTTTTGTTGAGGAATCAATTTACGATGAGTTTGTGAGGAGGAGTGTGGAGCGGGC
TAAGAAATACATTCTAGGAAATCCTCTGAACTCCGGAATAATCAAGTCCTCAGATTGACAAGGAACAA
CACAATAAAATACTTGGTCTCATTGAGAGTGGGAAGAAAGAGGCCAAGCTGGAGTGTGGTGGAGGTC
GCTGGGGGAACAAGGCTTCTTTGTCCAACCCACAGTCTTCTCCAATGTGACTGATGAGATGCGCATTGC
CAAAGAGGAGATATTTGGACCAGTGCAACAATCATGAAGTTTAAATCTATGGATGATGTGATCAAGAGA
GCAAACAACACTACCTATGGTTTAGCAGCAGGAGTCTTCACTAAAGACCTGGATAAGGCCATCACTGTG
CATCTGCTCTGCAGGCTGGGATGGTGTGGGTGAACTGCTATTTGGCTGTCCCTGTCCAATGCCCATTTGG
TGGATTCAAGATGTCTGGAAATGGGCGAGAAGTGGGCGAACATGGTCTTTATGAATACACTGAGCTCAAG
ACAGTTGCAATGCAAATATCTCAGAAGAACTCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_011921

Insert Size: 1506 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_011921.2](#), [NP_036051.1](#)

RefSeq Size: 2060 bp

RefSeq ORF: 1506 bp

Locus ID: 26358

UniProt ID: [O35945](#)

Cytogenetics: 19 13.95 cM

Gene Summary: Can oxidize benzaldehyde, propionaldehyde and acetaldehyde (By similarity). No detectable activity with retinal.[UniProtKB/Swiss-Prot Function]