OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTTCACCTGCACAACCTGCAGTCCCTGCCCCGCTGGCCAACTTGAAGATTCAACATACCAAGATCT
TTATAAACAATGAATGGCATGATTCGGTGAGCAGCAAGAAATTTCCTGTCCTTAACCCTGCAACTGAGGA
GGTCATCTGCCACGTGGAAGAAGGGGACAAGGCTGATGTTGACAAAGCTGTGAAGGCCGCAAGACAGGCT
TTCCAGATTGGCTCCCCATGGCGCACCATGGATGCTTCAGAGAGGGGCCGCCTGCTGAACAAGCTGGCTG
ACTTAATGGAGAGAGATCGTCTGCTGCTGGCTACAATGGAATCGATGAATGCTGGGAAAGTCTTTGCTCA
TGCATACCTGTTGGATGTAGAGATCAGCATAAAAGCATTACAGTACTTCGCAGGCTGGGCTGACAAGATC
CATGGCCAAACAATACCCAGTGATGGAAACATATTCACTTATACAAGGCGTGAACCTATTGGGGTGTGTG
GCCAAATCATCCCTTGGAATGGTCCATTGATTATATTCACTTGGAAGTTAGGCCCTGCCCTTAGCTGTGG
GAACACTGTGGTTGTCAAGCCAGCAGAGCAAACTCCTCTCACAGCTCTTCACATGGCATCTTTAATAAAA
GAGGCAGGGTTTCCTCCTGGCGTGGTGAACATTGTCCCTGGTTATGGGCCAACTGCAGGGGGAGCCATCT
CCTCCCACATGGACATCGACAAAGTGTCCTTCACAGGATCAACAGAGGTTGGCAAATTAATCAAGGAAGC
TGCAGGGAAAAGCAATCTGAAGAGAGTCACCCTGGAGCTGGGGGGAAAGAGCCCTTGCATTGTGTTTGCA
GATGCCGACTTGGACAGTGCTGTTGAGTTTGCACACCAAGGAGTGTTCTTCCACCAGGGTCAGATTTGTG
TTGCAGCGTCCAGGCTTTTTGTTGAGGAATCAATTTACGATGAGTTTGTGAGGAGGAGTGTGGAGCGGGC
TAAGAAATACATTCTAGGAAATCCTCTGAACTCCGGAATAAATCAAGGTCCTCAGATTGACAAGGAACAA
CACAATAAAATACTTGGTCTCATTGAGAGTGGGAAGAAAGAAGGAGCCAAGCTGGAGTGTGGTGGAGGTC
GCTGGGGGAACAAAGGCTTCTTTGTCCAACCCACAGTCTTCTCCAATGTGACTGATGAGATGCGCATTGC
CAAAGAGGAGATATTTGGACCAGTGCAACAAATCATGAAGTTTAAATCTATGGATGATGTGATCAAGAGA
GCAAACAACACTACCTATGGTTTAGCAGCAGGAGTCTTCACTAAAGACCTGGATAAGGCCATCACTGTGT
CATCTGCTCTGCAGGCTGGGATGGTGTGGGTGAACTGCTATTTGGCTGTCCCTGTCCAATGCCCATTTGG
TGGATTCAAGATGTCTGGAAATGGGCGAGAACTGGGCGAACATGGTCTTTATGAATACACTGAGCTCAAG
ACAGTTGCAATGCAAATATCTCAGAAGAACTCATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

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).

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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]

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