

Product datasheet for **MC222663**

Aldh1I2 (NM_153543) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aldh1I2 (NM_153543) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aldh1I2
Synonyms:	D330038I09Rik; mtFDH
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222663 representing NM_153543
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGTGGCGGGTAGCCAGGCGCTACGGCACTTCTCCACCAGCCGGTTTATTTCAAAAACAAGCTGA
 AGTTGGCACTTATTGGCCAGAGCCTGTTTCGGACAGGAAGTCTATAGCCAGCTCCTGAAAGAGGGCCACCG
 AGTAGTGGGAGTGTTCACAGTGCCAGACAAGGATGAAAGGCCGATCCACTGGCTTTGGCTGCAGAGAAA
 GATGGGACTCCCGTGTCAAGTTCCTCGATGGAGACTCAAGGGTAAAACCATCAAGGAGGTAGCAGAAG
 CTTACCAGTCGGTGGGAGCCGAGCTCAACGTGCTCCCCTTCTGCACACAGTTCATCCCCATGGATGTCAT
 TGACAGCCCAAAGCATGGCTCCATCATCTACCACCCCTCACTCCTACCCAGGCACAGAGGAGCTTCTGCC
 ATCAACTGGACACTAATCATGGGAGATAAGAAAGCTGGGTTTTCTGTTTTCTGGGCAGATGATGGTTTGG
 ATACAGGACCCATCCTTCTCAGAGATCGTGTGACGTCAAGCCCAATGACACAGTGGACTCGCTTTATAA
 CCGGTTCTTTTTCTGAGGGGATCAAGGCCATGGTAGAAGCCGTCCTCACTCATAGCTGATGAAAAAGCG
 CCTCGCACTCCCCAGCCAGAAGAGGGGGCAACATATGAAGGCATCCAGAAGAAGGAGAACCTGAGGTTT
 CTTGGGACCAGCCTGCTGAAGGTTTGCATAAAGTGGATTTCGAGGTCATGACAAGGTCCTGGAGCCTGGGC
 AGAGATCAATGGACAGATGGTGACTTTCTACGGCTCATCACTGTTGACTAGTTCTGTGCCTTCTGGAGAA
 CCACTGGACATTAGAGGTGCCAAGAAGCCCGGTCTTGTACCAAAAAATGGCCTTGTCTTTTTGGGAATG
 ATGAAAAAGCACTGATGGTGAGAAAACCTGCAGTTTGGAGCAGGAAAGATGATTCCAGCCTCCAGTACTT
 TTCTGCGGGTGAGACATCAGTGGTAGAAGTACGGCCGAGGAGCTGAAGGTGGCAGAGACCATAAGGTC
 ATCTGGGCTCGAATTTAAGCAACACCCCTGTGATTGAGGACTCCACGGACTTCTTTAAATCTGGAGCGA
 GCTCAATGGATGTTGTGAGGCTGGTGAAGAGATCAGACAGAGTTGCGGAGGGCTTCAGTGCAGAAATGA
 AGACCTTACATGGCCACCAAGTTTGGAGATTTTCATCCAAAAGGTTGTGCGGAGACTGAGAGGAGAGGAC
 GAAGAGGCAGAGATGGTGGTGGATTACGTTTCCAAAGAGGTGAACGGGATGACAGTGAAAATCCCCTACC
 AGTGTTCATAAATGGACAGTTTGTGGATGCCGAGGATGGAGAGACTTACGCCACTGTCAACCCACAGA
 TGGAACTACAATATGCAGAGTGTCTACGCTTCTTTAGCGGATGTTGACAGAGCAGTAGCCGAGCCAAG
 GACGCCTTTGAGAACGGCGAATGGGGGAGGATGAACGCCAGAGACAGAGGAAGACTCATGTACAGACTCG
 CTGACCTAATGGAAGAAAACCAAGAAGAGCTGGCCACCATAGAAGCGCTGGATCCGGGGCTGTCTACAC
 CCTGGCTCTGAAGACTCACATTGGAATGTCTGTGCAGACGTTAGATACTTCGACAGGCTGGTGTGACAAA
 ATTCAGGGTTCTACAATCCAATCAACCAGGCCCGCCGAATTACAACCTGACCTTCAACAGAAGGAGC
 CACTTGGTGCCTGTGCCATTATCATTCCCTTGGAACTACCCACTGATGATGCTGGCCTGGAAGAGCGCAGC
 GTGCCTGGCGGCAGGCAACACCCCTGGTGTCAAGCCTGCACAGGTACACCCCTTGACGGCTCTGAAGTTT
 GCAGAGCTGACCGTGAAGCTGGCTTTCCCAAGGGGGTGAATTAACATCATTCCAGGCTCAGGGGGTGTGC
 CAGGACAGAGGCTCTCTCAGCACCTGACATCCGCAAGCTTGGCTTCACTGGATCCACCTCAGTGGGCAA
 ACAGATCATGAAAAGCTGTGCTGTGAGCAACCTGAAGAAAGTTTCCCTTGAGCTTGGTGGCAAATCCCCA
 CTGATAATATTCAGTGATTGTGACCTTGAAGAGGCTGTACGGATGGGCATGGGCGCAGTGTTTTTCAATA
 AAGGAGAGAAGCTGATTGCAGCTGGGCGGCTGTTTGTGGAAGAGGCCATCCACGACGAATTCGTAACCCAG
 AGTGGTGAAGAGATTAAGAAAGATGAAAATGGAGATCCCCTGGACAGATCTACGGACCATGGGCCCCCAG
 AACCCACAGAGCGCACTTGGAAAAGCTGCTGCAAGTACTGTGAGACTGGGGTGCAGGAGGGGCCACACTGG
 TGTATGGAGGAAGACAGGTGCAGAGGCCAGGCTTCTTATGGAACCCACTGTGTTACAGGCGTGGGAAGA
 TCACATGTACCTTCCAAGGAGGAATCCTTTGGCCCTATCATGGTCATTTCTAAATTCAAAAATGGGGAC
 ATCGATGGGGTGTGAGAGAGCAAATAACACTGAATATGGCTTGGCCTCAGGGGTCTTCAACAGAGACA
 TCAACAAAGCCATGTATGTGAGTGACAAGCTAGAGGCGGGAACGGTTTTTCATTAAACCTACAACAAGAC
 AGACGTGGCAGCCCCATTTGGTGAATGAAGCAATCTGGCTTTGGAAAAGACTTAGGTGAGGAGGCCCTG
 AATGAATACCTGAAAATCAAACAGTGACACTCGAGTAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_153543
Insert Size:	2772 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:	<ol style="list-style-type: none">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:	<u>NM_153543.2</u> , <u>NP_705771.2</u>
RefSeq Size:	6030 bp
RefSeq ORF:	2772 bp
Locus ID:	216188
UniProt ID:	<u>Q8K009</u>
Cytogenetics:	10 C1