

Product datasheet for **RN204530**

Aldh16a1 (NM_001033706) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aldh16a1 (NM_001033706) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aldh16a1
Synonyms:	MGC124726
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN204530 representing NM_001033706
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCTACGGGTATACAGCCCTCTACCCGTGAGATTTTCACGACGCTGGAGTACGGACCGGTGCCGG
 AGAGCCACGCATGCGCACTGGCCTGGCTGGACACCACAATCGCCTCTTGGGCCACTATGTCAATGGGAT
 GTGGCTGAAGCCAGAACACAGGAATCCAGCGCCTTGCCAGGATCCCATCACAGGAGAAAACCTGGCCAGC
 TGCTGCAAGCAGAGGCCGAGGACATCTCTGCAGCTGTGGAGGCTGCAAGGATAACATTCAAGACCTGGA
 GCCAACTCCCTGGAAGTCTCGGGGCCAACATCTAACCCGGCTAGCCAAGTTATTGAGAAGCACCAGCG
 CCTGCTGTGGACCCTGGAGTCCCTGGTCACTGGCGGGCTGTTGAGAAGTTCGAGATGGGGATATACCA
 CTGGCGCAGCAACTGCTCCACTACCATGCCCTCCAGGCACATGCGCAGGATAGCGCACTGGCAGACTGGG
 AGCCCTTGGGAGTCATTGGCCTCATCTGCCGACTTCTTCTCATTCTTGGACATGATGTGGAGGGTCTG
 TCCTGCCTTGGCTATGGGCTGCACTGTGGTGGCCCTTGCCCCCATCCTCCCAACACCTCTCCTCCTG
 GCTCAGCTGGCAGGGGAGCTTGGCTCCTCCAGGGATCCTCAATGTGGTATGTGGCCCTGTCTCACTGG
 GGCTGTCTGGCCTCCAACCTGGAGTGCAGAAGGTGGCCTTCTGTGGCGCTGTGGAGGAAGGACGTGC
 TCTACGACAGACTCTAGCAGGCAGGGGAGCCACACTGGCCTGGCCCTGGGCACAGAGTCCCTGTTGCTG
 CTAACAGACTCAGCAGATGTGGACTCGGCTGTGGAGGGTGTGTAGATGCTGTCTGGTACAGCCGACGC
 TGGGGGGACTCAGGCTCCTCATCCAGGAATCTGTATGGGATGAAGCTATGAAGCGACTCCAGGCCAGGAT
 GGCACAGATACGGAGCGGGAAAGGACTGGATGGGGCTGTGGACATGGGGGCTCGAGGAGCTGCTGCCGA
 GACCTTGGCCAGAGCTTGTGGATGAGGCCAAAGCCAGGGTGGACAGGTATTCCAAGCTGGTGATATGC
 CCTCAACAGCCCTTCTCTCAACCTTGGTCTCTGGTCTTCTCCAGCAGCCCATGTGCCAGGC
 TGAGGTGCCGTGGCCTGTGGTTATGGCTTACCTTCCGCACAGTCAAGGAGGCACTGGCCCTGGCCAAT
 GGAACACCCCGGGAGGAGCAGCGCAGTGTGTGGAGTGAAGGCTAGGGCAGGCCCTGGAGCTGGGCTATG
 GGCTCCAGGTAGGCACAGTATGGATCAATGCTCATGGCCTCCGAGACCCTGCGGTGCCTACAGGTGGCTG
 CAAGGAGAGTGGGTCTTCTGGCATGGAGGGCCAGATGGCCTATATGAGTACCTACAGCTCCTGGGAACA
 CCTTACCGGGAGTCTTCTTGTGAGAGTCTCAACTATGACACATTTGGCCTTGTGTCTCCAGCC
 TGCCGTCTGGGCCAGAAACAGGGCCAAGCCAGCACCTCCCTATGGGCTGTTTGCAGGGGCCGTTTCCA
 GTCTCCTGGGACCAGAGCTCCAGGCCATCAAAGATTCTCGGGCAAAGTCTCCAGCTATGTAGCTGAG
 GGTGGAGCCAAGGATATCCGAGGTGCTGTGGAGGCGCTCATCAGGCTGCCCTGGCTGGGAGCCCACT
 CTCCAAGGGCCCGAGCAAGCCTGCTGTGGGCCCTGGCGGCTGCTCTGGAGCGGAGGAAGCAAGTCCCTGGC
 CGCACAGCTAGAGAGGCACGGAGCGGCGCTACGGTTGCGGAGACTGAAGTGGAGCTGAGTGTGAGGCGA
 CTCCAGACATGGGCCACCCGGGTTAGGACCAAGGCCAGACACTACAGGTAACAGGATTGAGAGGCCCTG
 TGCTCCGGCTTCGAGAGCCACTAGGAGTGTGGCTGTGGTGTGCCAGATGAGTGGCCGATGCTGGCTTT
 TGTGTCACTACTAGCCCTGCACTGGCCATGGCAACGCTGTGGTCTTAGTACCTAGTGGATCATGTCTCT
 CTGCTGGCCTTGGAAAGCCTGTGAGGATAGCTGCTCTGTTTCTGCTGGCCTGGTGAACGTAGTGACAG
 GAGATCGGGACCATCTGACCCGCTGTCTGGCCTTACATCAGGATGTCCAGGCCATGTGGTACTTTGGTTC
 AGCCCAGGGCTCCAGTTTGTGGAATGGCCCTGCGAGGAAACCTCAAGCCCGTGGGTAAACAGGGAC
 TTCCCAAGGGCCTGGGATGTGGAAGTCCAAGGGTCAAGAACAGGAGCTGAGTCTTCATGCAGCACGAACCA
 AGGCCCTGTGGCTGCCAATGGGGACTGA

AC**CGGCCGC**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-NotI
ACCN: NM_001033706
Insert Size: 2409 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_001033706.1</u> , <u>NP_001028878.1</u>
RefSeq Size:	2591 bp
RefSeq ORF:	2409 bp
Locus ID:	361571
UniProt ID:	<u>Q3T1L0</u>
Cytogenetics:	1q22