

Product datasheet for **RN216838**

Aldh5a1 (NM_022851) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aldh5a1 (NM_022851) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aldh5a1
Synonyms:	Ssadh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN216838 representing NM_022851
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGACCTGCTTTCTGCTGCGGAACTTCTGCGCCGCGCTCCGCGCTGCGGCCCTCCGGGCCGACTCC
 TCCGGGAGCCCGCAGGGGCCAGCGGCGCAGCTACGTCGCGGCCCGGCTGACCTCCACGCCGACCTGCT
 CCGCGGGGACAGCTTTGTGGGCGCCGCTGGCTTCCAACCCCTGCCACCTTCCCTGTGTATGACCCGGCC
 AGCGGCGCAAGCTGGGCACCGTGGCCGACTGCGGGGTACCGGAGGCCGCGCTGCTGTGCGCGCCGCT
 ACGATGCCTTCAGCAGCTGAAAAGAGATCTCGGTCAAGGAGAGGAGCTCATTGCTCCGTAATGGTACGA
 CTTAATGATACAAAACAAGGACGAGCTTGCCAAGATCATAACAGCTGAGAGTGAAAAGCCACTGAAAGAG
 GCCCAGGAGAGATCCTGTATTCAGCGTTTTCTGGAGTGGTTCTCAGAGGAAGCTCGCCGTGTTTATG
 GAGACATCATCTATACCTCTGCCAAAGATAAGCGAGGACTGGTCTCAAGCAGCCCGTTGGTGTGGCGTC
 CATCATCACACCGTGAATTTTCCAGTGCCATGATCACCGGAAAGTGGGGCTGCCCTGCCAGCTGGC
 TGCACTGTGGTGTAAAACCTGCTGAAGATACACCCTATTCTGCCCTGGCCCTGGCTCAGCTTGCAAACC
 AGGCAGGAATCCCTCCAGGTGTCTATAATGTCATTCCCTGCTCTAGAACCAAGGCCAAGGAAGTGGGAGA
 GGTGCTGTGACTGATCCCTCGTGTCCAAAATCTCCTTACTGGCTCAACGGCAACGGGAAAGATCCTG
 CTGCATCATGCAGCAAATCTGTGAAGCGTGTCCATGGAGCTGGTGGCCCTCGCCCCATTATTGCT
 TTGACAGTGCCAACGTGGACCAGGCTGTCGAGGAGCAATGGCATCTAAATTTAGGAATGCTGGGCAGAC
 TTGCGTTTGCTCAAACAGATTCTTGGTACAACGGGTATCCACGATTCCTTTGTAAAGTGGGAGAG
 AGAAAGCTGTAGAAAAGGTAGAGAAGCATGTAATGACGCAGTTGCCAAAGGGGCCACGTTGTGACAGG
 CGGGAAGCGACACCAGAGCGGAGGGAATTTCTCGAACCACCCTGCTCAGCAACGTACCAGGGACATG
 CTCTGCATCACCGAGGAGACCTTTGGGCGCTGGCGCCAGTCATCAAGTTCGATAAAGAGGAAGAGGCTG
 TCGCCATCGCAAATGCAGCTGATGTTGGATTGGCAGGTTACTTTTACTCTCAAGACCCAGCCAGATCTG
 GAGAGTGGCGGAGCAGCTGGAGGTGGGCATGGTTGGCGTGAACGAAGGACTGATCTTTCAGTGGAGTGC
 CCTTTTGGTGGGGTGAACAGTCCGGCCTTGGGCGAGAAGGGTCCAAGTATGGCATTGACGAATATCTAG
 AGGTCAAATATGTGTATTATGGAGGCTT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_022851
- Insert Size:** 1572 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_022851.1](#), [NP_074042.1](#)

RefSeq Size: 5435 bp

RefSeq ORF: 1572 bp

Locus ID: 291133

Cytogenetics: 17p11