

Product datasheet for **RN207142**

Aldh3a1 (NM_031972) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aldh3a1 (NM_031972) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aldh3a1
Synonyms:	Ahd-c; AHDC; Aldh; Aldh3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207142 representing NM_031972
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCAGTATCAGTGACACCGTGAAACGGGCCAGGGAGGCCCTTAACTCCGGCAAGACTCGATCGCTGC
 AGTTCCGAATCCAGCAGTTGGAGGCGCTGCAGCGCATGATCAATGAGAACCTGAAAAGCATCTCTGGGGC
 GCTGGCCTCTGACCTGGGCAAGAACGAATGGACCTCCTACTATGAGGAAGTGGCTCACGTAAGGAGGAG
 CTTGATACCACAATTAAGGAGCTCCCTGATTGGGCTGAGGATGAGCCTGTGGCCAAGACTCGCCAGACCC
 AGCAGGATGACCTCTACATCCACTCGGAGCCCCTGGGTGTGGTCTTGTATAGGTGCTTGGAACTACCC
 CTTCAACCTCACCATCCAGCCCATGGTGGGTGCCGTTGCTGCAGGAAACGCAGTGATCCTCAAGCCCTCA
 GAAGTGAAGCGGGCACATGGCAGACCTGCTAGCGACTCATCCCTCAGTATATGGACCAGAATCTGTACC
 TAGTGGTCAAAGGGGGTGTCCCTGAAACCAGGAGCTGCTCAAAGAGAGGTTTGACCACATCATGTACAC
 TGGGAGCACAGCCGTAGGGAAGATTGTTATGGCCGCTGCCGCAAGCATCTGACTCCTGTCACCCTGGAG
 CTTGGAGGGAAAAGCCCTTGTACGTGGACAAGGACTGTGATCTAGATGTGGCTTGCAGGCGTATCGCCT
 GGGGAAAATTTATGAACAGTGGCCAGACCTGTGTGGCCCCAGACTACATCCTCTGTGACCCCTCGATTCA
 GAACCAAATCGTGGAGAAGCTCAAGAAGTCACTCAAAGATTTCTATGGGGAAGATGCTAAGCAGTCCCGT
 GATTATGGGAGGATCATCAATGACCGTCACTTCCAGCGGGTCAAAGGCCCTGATTGACAACCAGAAAGTAG
 CCCATGGAGGCACTTGGGACCAGTCTCACGATACATAGCTCAAACCATCCTGGTGGATGTGGACCCCA
 GTCCCCAGTGTGCAGGAGGAGATCTTTGGCCGGTGTGCCATTGTGTGTGTTTCAAGCTTGGAGGAG
 GCCATTCATTTATCAACCAGCGTGAGAAGCCCCTGGCACTCTATGTGTTCTCCAACAATGAGAAGGTGA
 TCAAGAAAATGATCGCAGAGACATCCAGCGGTGGAGTGACAGCCAATGACGTCATTGTTCCATCACCGT
 GCCCACTTTGCCCTTTGGTGGTGGGGAACAGCGGCATGGGGGCTACCATGGCAAGAAAAGCTTCGAG
 ACCTTCTCCCACCGCCTCTTGCCTGGTGAAGTCTCTGTTGAATGAAGAAGCTCACAAGGCCAGGTATC
 CCCAAGCCAGCCAAGATGCCCGGC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031972

Insert Size: 1362 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_031972.1](#), [NP_114178.1](#)
RefSeq Size: 1725 bp
RefSeq ORF: 1362 bp
Locus ID: 25375
UniProt ID: [P11883](#)
Cytogenetics: 10q22
Gene Summary: aldehyde dehydrogenase that is expressed during hepatocarcinogenesis [RGD, Feb 2006]