

Product datasheet for **RN216776**

Aldh8a1 (NM_001191088) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aldh8a1 (NM_001191088) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aldh8a1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216776 representing NM_001191088
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGGAAAAAGGGAACCTTTTGTGTTGGAGAAGTTTATAGGTGGAAAATTTTACCCTGTAACCTCGT
 ATATAGATTCTTATGATCCGTCGACAGGGGAAGTGTACTGCAAAGTACCAAACAGTGGGAAGGAGGAGAT
 CGAAGTTGCTGTGCAGGCTGCCAGAGAGCCTTCCCGCCTGGTCATCCCGGAGTCCCCAGGAACGTTCT
 CTCATCTGAACAGGGTGGCTGATGTGCTGGAGCAGTCCCTGGAGGAGTTAGCCAGGCAGAATCTAAAG
 ACCAAGGGAAAACCTCACGCTGGCAAGGACCATGGACATTCTCGGTCTGCTCTGAACCTCCGGTTCTT
 CGTCTCTCCATCCAGCACACGTATCGGATTGCACAGAGATGAGCCACCTGGGCTGTATGCACTACACC
 GTTCGTACCCCGTGGGAATTGCTGGTTTGTATCAGCCCTTGGAAATTTACCGCTCTACCTGTTGACTGCA
 AAATAGCTCCGGCATCGCTGCTGGGAATACCGTGTAGCCAAGCCAGCGAGCTGACTTCTGTGACTGC
 TTGGATGTTTTGTAACCTCTAGATAAAGCAGGTGTGCCACCAGGTGTGATCAATGTTGTGTTCCGGAACA
 GGGCCGAGGGTTGGTGGGCCCTCGTGTCCACCCAGAGGTCCCGTGATCTCTTACGGGGAGCCAGC
 CCACAGCTGAACGGATTACCCAGCTAAGTGCCCCCACTGCAAGAAGCTCTCCCTGGAGCTAGGAGGCAA
 GAACCTGCCATCATTTTTGAGGATGCCAACCTGGAGGAGTGCATCCCAGCAACCGTGAGATCCAGCTTC
 GCCAACAGGGGGAGATCTGCCTTTGTACCAGCAGGATCTTTGTCCAGAGGAGCATCTATAATGAATTTT
 TGAAGAGGTTTGTGAAGCTACCAGAAAGTGGAAAGTTGGCATTCTTCCGATCCATCAGCCAACATGGG
 TGCTTTAATAAGTAAAGCACATTTTGGAGAAAGTAAAAGTTATGTAACAAAAGCTCATGCTGAGGGTGCC
 AAGATTCTGTGTGGTGGGGCTGGACCAGCTGAGCCTTCCACTCAGGAACCAGGCAGGCTACTTCATGC
 TTCCCACAGTGATAACGGACATTAAGGATGAGTCTGCTGCATGACAGAAGAGATCTTTGGCCCCGTGAC
 GTGCGTCGTCCTTTTGTATAGCGAAGAGGAAGTATTGCAAGAGCTAACGGCGTTAAGTATGGGCTGGGG
 GCCACAGTATGGTCAAAGGATGTGGGGCCATCCACAGGGTAGCTAAGAGGCTTCAGTCAGGGCTTGTCT
 GGACCAACTGCTGGCTCATCAGGGAGCTGAACCTGCCCTTCGGAGGGATGAAAAGCTCTGGAATAGGAAG
 AGAGGGAGCCAAGGACTCATATGATTTCTTACTGAAATAAAAACCATCACCATTAATACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001191088
- Insert Size:** 1464 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_001191088.1](#), [NP_001178017.1](#)

RefSeq Size: 1499 bp

RefSeq ORF: 1464 bp

Locus ID: 685750

Cytogenetics: 1p12