

Product datasheet for **RN214002**

Aldh2 (NM_032416) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aldh2 (NM_032416) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aldh2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN214002 representing NM_032416
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCGCGCCGCACTCAGCACCCGCCGCTGGGCCACGCCTGAGCCGCTGTGTCCGCCGCCCA
 CCAGCGCGGTGCCAGCCCCAACCAAGCAGCCCGAGGTCTTCTGCAACCAGATCTTCATTAACAATGAGTG
 GCATGATGCTGTAGCAAGAAAACATTCACCACCGTCAACCCCTCCACGGGGGAGGTCATCTGCCAGGTA
 GCCGAAGGGAACAAGGAGGACGTAGACAAGGCAGTGAAGGCCGCTCAGGCAGCCTTCAGCTGGGCTCGC
 CCTGGCGCCGATGGATGCATCTGACAGGGGCCGCTGTTGTACCGATTGGCTGATCTCATCGAACGGGA
 CCGGACCTACCTGGCGCCTTGGAGACCCTGGACAACGGCAAGCCTTATGTCATCTCTACCTGGTGGAT
 TTGGACATGGTTCTGAAATGTCTCCGCTATTATGCTGGCTGGGCTGACAAGTACCACGGGAAAACCATTC
 CCATCGATGGCGACTTCTCAGCTACACCCGCCACGAGCCTGTGGCGTGTGTGGACAGATCATTCCGTG
 GAACTTCCCGCTCCTGATGCAAGCCTGGAAGCTGGGCCCTGCCTTGGCAACTGGAACGTGGTGGTGATG
 AAAGTGGCCGAGCAGACCCGCTCACTGCACTCTACGTGGCCAATTGATCAAGGAGGCAGGCTTCCCCC
 CTGGTGTGGTCAATATTGTTCTGGATTCCGCCCTACCGCCGGGGCTGCCATCGCGTCCCACGAGGATGT
 GGACAAAGTGGCCTTACAGGTTCCACTGAGGTTGGTACCTAATCCAGGTTGCCGCCGGGAGCAGCAAT
 CTCAAGAGAGTAACCCTGGAAGTGGGGGAAAGAGCCCCAATATCATCATGTGACAGCCTGACATGGACT
 GGGCTGTGGAACAGGCCACTTTGCCCTGTTCTTCAACCAGGGCCAGTGTGTTGTGCGGGCTCCCGGAC
 CTTTCGTGACAGGAGGATGTGTATGATGAATTCGTGGAACGCAGTGTGGCCCGGCAAGTCTCGGGTGGT
 GGAACCCCTTCGACAGCCGGACGAGCAGGGGCCGAGGTGGATGAGACTCAGTTAAGAAGATCCTGG
 GCTATATCAAGTCAGGACAACAAGAAGGGCGAAGCTGCTGTGCGGTGGGGCCCGCCGAGACCTGG
 TTACTTCATCCAGCCCACCGTGTTCGGAGACGTCAAAGATGGCATGACCATCGCCAAGGAGGAGATCTTC
 GGACAGTGATGCAGATCCTCAAATTCAGACCATTGAGGAGGTTGTGGGCGAGCCAATTAATCCAAGT
 ACGGGCTGGTGCCGCTGTCTTCAAAAGGACCTGGACAAGGCCAATTACCTGTCCCAAGCTCTGCAGGC
 TGGGACTGTGTGGATCAACTGCTACGATGTGTTTGGGGCCAGTCCCCATTTGGTGGCTATAAGATGTGC
 GGGAGCGGCAGGGAGCTGGGCGAGTATGGCCTGCAGGCCACACGGAAGTGAAGACGGTACCCTGCAAG
 TGCCACAGAAGAACTCG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1619_h06.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_032416

Insert Size: 1560 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_032416.1](#), [NP_115792.1](#)

RefSeq Size: 1889 bp

RefSeq ORF: 1560 bp

Locus ID: 29539

UniProt ID: [P11884](#)

Cytogenetics: 12q16