

Product datasheet for **RN214997**

Aldh4a1 (NM_001134698) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aldh4a1 (NM_001134698) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aldh4a1
Synonyms:	Aldh4a1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214997 representing NM_001134698
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCCCGCGCTTGTCTCGCCGATCCCTGCTGTCTACGCCTGGAGGGCTCTGGGCTGCGGTGGA
 AACATGCCTCCTCTCTGAAGGTGGCCAATGAGCCCATTTAGCGTTTACTCAGGGCAGCCCCGAACGGGA
 CGCACTGCAGAAGGCTCTGAACGACCTGAAGGACCAGACAGAAGCCATCCCCTGCGTTGTTGGGACGAG
 GAGGTGTGGACCTCTGATGTGCGGTACCAGCTGTCGCCTTTTAACCATGGACACAAGGTGGCCAAGTTCT
 GTTATGCCGACAAGGCCTTGCTCAACAAAGCCATCGAAGCTGCCGTGCTTGCCAGGAAAGAGTGGGACCT
 GAAGCCCGTGGCAGACCGGGCCAGATCTTCTGAAGGCGGCAGATATGCTGAGCGGGCCCCGAAGGGCT
 GAAATCCTTGCCAAGACCATGGTGGACAGGGCAAGACCGTAATCCAAGCAGAGATTGACGCCGACGCCG
 AACTCATCGACTTCTTCAGTTCAATGCCAAGTTCGCCGTGGAAGTGGAGGGGAAACAACCCATCAGCGT
 GCCACCCAGTACCAACCAGTGGTGTACCGGGGACTGGAGGGCTTCGTGGCGGCCATCTCTCCCTTCAAC
 TTCACCGCGATCGGAGGCAACCTGGCAGGCGCACCGGCCTAATGGGCAACGTGGTTCTCTGGAAGCCCA
 GTGACACTGCCATGTTGGCTAGCTATGCTGTCTACCGCATCCTCCGGGAGGCCGGCTTGCCCCAACGT
 AATCCAGTTTGTGCCAGCTGATGGGCCGACATTCGGGGACACAGTACCAGCTCAGAGCACCTCTGTGGT
 ATCAACTTCACAGGCAGTGTGCCACCTTTAAACACCTGTGGAAGCAGGTGGCCAGAATCTGGACCGGT
 TCCGTACCTTCCCACGCCTGGCTGGAGAGTGTGGCGGGAAGAATTTCCATTTCTGTCACAGCTCGGCCGA
 CGTGGACAGCGTGGTGGAGCGGACGCTGCGCTCGGCCTTCAGATATGGCGGTGAGAAGTGTCTCAGCTGC
 TCGCGCCTCTACGTGCCACAGTCTCTGTGGCCACAGATCAAAGGGCGACTGCTGGAGGAGCACAGCAGGA
 TCAAAGTGGGCAACCCCTGCAGAGGACTTTGGGACCTTCTTCTCTGCAGTGATTGATGCCAAGCCCTTCGC
 CCGCATAAAGAAGTGGCTGGAGCATGCGCGTTCCTCGCCAGCCTCAGCATCCTGGCAGGCGGCCAGTGT
 AACGAGTCGTTGGTTACTTCTGTGGAGCCGTGATCATTGAGAGCAAGGACCCACAGGAGCCCATCATGA
 AGGAGGAGATCTTCGGCCCTGTGCTGACAGTGTATGTGTACCGGATGAGAAATACAGAGAGACGCTGCA
 ACTGGTCGACAGCACCACAGCTATGGCCTCACGGGGCAGTGTTCGCCAGGATAAAACAATTGTCCAA
 GAAGCCACGAGGATGCTGAGGAACGCTGCTGGCAACTTCTACATCAACGACAAGTCTACTGGATCTGTGG
 TGGGCCAGCAGCCCTTTGGGGCGCCCGGCCTCAGGAACCAATGACAAACCAGGAGGCCCCACTACAT
 CTTACGCTGGACCTCACCCAGGTATCAAGGAGACTATAAGCCCTGGGGACTGGCGATACTCTAC
 ATGCAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001134698
- Insert Size:** 1689 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_001134698.1](#), [NP_001128170.1](#)

RefSeq Size: 3171 bp

RefSeq ORF: 1689 bp

Locus ID: 641316

Cytogenetics: 5q36