

Product datasheet for **RN217334**

Aldh1I2 (NM_001191778) Rat Untagged Clone

Product data:

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|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Aldh1I2 (NM_001191778) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Aldh1I2 |
| Synonyms: | RGD1309458 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF:

>RN217334 representing NM_001191778

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGTGGCGGGTAGCCAGGCGCTACGGCACTTCTCCACCGCGGGTTTATTTCAAAAACAAGTTGA
 AGTTGGCACTTATTGGCCAGAGCCTGTTTGGACAGGAAGTCTACAGCCACCTCCTGAAAGAGGGTACCG
 AGTAGTGGGAGTGTTCACAGTGCCAGACAAGGATGAAAGGCCGATCCACTGGCTTTGGCCGAGAGAAA
 GATGGGACCCCTGTGTTCAAGTTCCTCGATGGAGAGTCAAGGGTAAAACCATCAAGGAGGTAGCAGAAG
 CCTATCAGTCGGTAGGTGCTGAGCTCAACGTGCTTCCCTTCTGCACGCAGTTCATCCCCATGGACATCAT
 CGACAGCCAGAGCAGGCTCCATCATCTACCACCCCTCACTCCTACCCAGGCACAGAGGGGCTTCTGCC
 ATCAACTGGACTTAATCATGGGAGATAAGAAAGCTGGGTTTTCTGTTTTCTGGGCAGATGATGGTTTAG
 ATACAGGACCCATCCTTCTCAGAGATCGTGTGACGTCAAACCAATGACACAGTGGACTCGCTTTATAA
 CCGGTTCTTTTTCTGAGGGGATCAAGGCCATGGTAGAAGCTGTCCAACCTCATAGCTGATGAAAGGGC
 CCTCGCACTCCCCAGCCGAAGAGGGGGCCACATATGAAGGCATCCAGAAGAAGGAAAACCTGAGATTC
 CTTGGGACCAGCCTGCTGAAGTTTTGCACAACCTGGATTGAGGTCATGATAAGGTCCCTGGAGCCTGGGC
 AGAGATAGACGGACAGATGGTGACTTTCTACGGCTCATCACTGTTGACAAGTTCTGTGCCTGCTGGAGAA
 CCACTGGACATTAGAGGTGCCAAGAAGCCTGGTCTTGTCAACAAAAATGGCCTTGTCTTTTTGGGAATG
 ATGGGAAAGCGCTGATGGTGAGAAAACCTGCAGTTTGAAGACGGGAAGATGATTCCCGCTCCCAGTACTT
 TTCGTCGGGTGAGACATCGGTGGTAGAACTTACGGCTGAGGAGCTGAAGGTGGCAGAGACCATAAAGGTC
 ATCTGGGCTAGAATCTTAAGCAACGTCCCAGTATTGAGGACTCCACGGACTTCTTTAAATCTGGAGCGA
 GCTCAATGGATGTTGCGAGGCTGGTGAAGAGATCAGACAGAAGTGGCGTGGGCTTCAGCTGCAGAACGA
 AGATGCTACATGGCCCGCAAGTTTGGAGATTTTCAACAAAAAGTTGTGAGGAGACTAAGAGGAGAGGAC
 CAAGAGGCTGAGCTGGTGGTGGATTATGTTTTCAAGGAGGTAAACGAGATGACAGTGAAGATGCCCTACC
 AGTGTTCATAAACCGACAGTTTGTAGATGCCGAGGATGGAGAGACTTACGCCACCATCAACCCACAGA
 CGGAACTACGCTATGCAGAGTGTCTACGCTTCTTTAGCGGATGTTGACAGAGCAGTAGCCGCGGCCAAG
 GACGCCTTTGAGAATGGCGAATGGGGAAGGATGAACGCCAGGGACAGAGGAAGACTCATGTACAGACTCG
 CGGACCTAATGGAAGAAAACAGGAGGAGCTGGCGACCATAGAAGCGCTGGATCCGGGGCTGTCTACAC
 CCTGGCTCTGAAGACTCATATTGGAATGTCCGTGCAGACCTTCAGATACTTCGACGGCTGGTGTGACAAA
 ATTCAGGTAACAAAGGAACAGAGAACCAGGCTAGAATTCATGACACTCTGGGGATGAGCTCGGAAGAAC
 CAAAAGGTGTCTGCGCCATCATATCCCTGGAACCTACCACTAATGATGCTGGCCTGGAAGAGTGCAGC
 CTGCTGGCAGCAGGCAACACCCCTAGTACTCAAGCCAGCGCAGGTACACCCCTTGACAGCTCTGAAGTTT
 GCAGAGCTGACGGTGAAGCAGGCTTCCGAAGGGGGTAAATCAACATCATTCTGGCTCAGGGGGTGTGG
 CAGGACAGCGGCTCTCTCAGCACCTGACATCCGCAAGCTTGGTTTCACTGGTCCACCTCTGTGGGCAA
 ACAGATCATGAAAAGCTGTGCTGTGAGCAACCTGAAGAAAGTTTCCCTTGAGCTTGGTGGCAAATCCCCA
 CTTATAATATTCAGCGACTGTGAACTTGACAAGGCCGTCGGATGGGCATGGGCGCAGTATTCTTCAATA
 AAGGAGAGAAGTGCATTGCAGCTGGCCGGCTGTTTCGTGGAAGAGGCCATCCACGATGAATTCGTCAACG
 AGTGGTGAAGAGATTAAGAAAGATGAAAATGGTGTATCCCCTGGACAGATCTACGGACACGGGGCCCCAG
 AACCAAAAGCCATTTGGAAAAGCTGCTGCAAGTACTGCCAGACGGGGGTGAAGGAGGGGGCCACACTGG
 TGTACGGAGGAAGACAGGTACAGAGGCCAGGCTTTTTTTCATGGAGCCCACTGTGTTACAGGCGTGGAGGA
 CCACATGTACCTCGCCAAAGAGGAATCCTTCGGGCCTATCATGGTCATCTCTAAATTCAAAAATGGGGAC
 ATCGATGGGGTGTGAGAGAGCAAAACAACACTGAGTACGGCCTGGCCTCAGGGGTCTTACAGAGAGACA
 TCAGCAAAGCCATGTACGTGAGTACAGGCTAGAGGCGGGAACGGTTTTTCATTAAACCTACAACAAGAC
 GGACGTGGCAGCCCCATTTGGTGGAGTGAAGCAGTCTGGCTTTGGAAAAGACTTAGGTGAGGAGGCCCTG
 AACGAATACCTGAAAACAAAACAGTGACCCTCGAGTAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

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|-------------------------------|---|
| ACCN: | NM_001191778 |
| Insert Size: | 2772 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: | <ol style="list-style-type: none"> 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: | <u>NM_001191778.1, NP_001178707.1</u> |
| RefSeq Size: | 3502 bp |
| RefSeq ORF: | 2772 bp |
| Locus ID: | 299699 |
| Cytogenetics: | 7q13 |