

## Product datasheet for **RN202321**

### **Aldh18a1 (NM\_001108524) Rat Untagged Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | Aldh18a1 (NM_001108524) Rat Untagged Clone |
| Tag:                      | Tag Free                                   |
| Symbol:                   | Aldh18a1                                   |
| Synonyms:                 | Pycs                                       |
| Mammalian Cell Selection: | Neomycin                                   |
| Vector:                   | pCMV6-Entry (PS100001)                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                       |



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**Fully Sequenced ORF:** >RN202321 representing NM\_001108524  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTGAGACATGTGCAACGCTCCGGGCTCCAGCCCTTCAGCCAACGTCTGCTACCGTGGGTCCAGTCCA  
 TAGCTCTGCCAGATCTCATCGCGTCCAGCCTTCAGCTATTAGACATGTTGTTCCCTGGAGCAACATCCC  
 CTTTATCACGGTACCCCTCAGTCGTGCTCATGGCAAGCCCTTTGCCACCGAAGCGAGCTGAAGCACGCC  
 AAGAGAATTGTAGTAAAAGTCCGGCAGTCCCGTGGTGACCAGAGGAGATGAGTGTGGCCTGGCACTGGGGC  
 GCCTGGCGTCTATTGTGCAACAGGTCTCGGTGCTGCAGAATCAGGGCCGAGAGATGATGCTGGTACCAG  
 TGGAGCGGTGCCTTCGGCAAGCAGCGCCTGCCACAGAGATCCTTCTGTCTCAGAGCGTGGCAGAACCC  
 CTGCACTCAGGACAGAACCATCTGAAGGAGATGGCAATCCAGTCTTAGAGGCCCGAGCCTGCGCAGCCG  
 CTGGACAGAGTGGGCTGATGGCCTGTACGAGGCCATGTTTACACAGTACAGCATCTGTGCTGCCAGAT  
 TTTGGTGACCAACCTGGATTTCCACGACGAGCAGAAGCGCAGAAATCTCAACGGCACACTACACGAGCTG  
 CTTCCGGATGAACATCGTCCCATTTGTCAACACCAACGACGCCGTTGTCCCGCCAGCTGAGCCCAACAGTG  
 ATCTTCAGGGGGTAAATGTGATTAGCGTTAAGGACAACGATAGCCTAGCTGCCCGTCTGGCCGTGGAGAT  
 GAAAAGTACCTCCTGATTGTCTCTCAGATGTGGAAGGCCTCTTTGACAGCCCCCAGGCTCAGATGAT  
 GCAAAACTCATTGATATATTCTACCCGGGAGATCAGCAGTCTGTGACATTTGGAACCAAGTCTAGAGTGG  
 GCCTAGGGGGCATGGAAGCAAGGTGAAAGCCGCCCTCTGGGCTTTGCAAGGTGGCACTTCTGTCTCAT  
 TGCCAACGGAACCCCAAGGTGTCTGGCAGTCAACACAGATCGTGGAGGAAAGAAAGTTGGC  
 ACCTTCTTTTCAAGTAAAGCCTGTGGCCCTACGGTGGAGCAGCAGGGGGAGATGGCTCGGTCTGGAG  
 GGAGAATGCTGGCCACCTTAGAGCTGAACAGAGAGCTGAAATTATCAATCATCTGGCTGACCTGTGAC  
 GGACCAGCGGGAAGAGATCCTGTTAGCCAAACAAAAAGACTTGGAGGAAGCAGAGGGAAGACTTGCAGGC  
 CCCTGTGAAGCGTCTCAGCCTCTCCAGTCTAAACTGAACAGCCTGGCCATCGGGCTGCGGCAGATCG  
 CAGCCTCCTCAGGAGAGCGTAGGCCGTGCTGCGCCGGACTCGGATTGCCAAAACTGGAGTTAGA  
 ACAAGTACTGTCCCAATAGGTGTTTTACTGGTATCTTTGAGTCTGCTCCTGACTGTCTACCCAGGTG  
 GCAGCCTTGCCATTGCGAGTGGCAACGGCTTGTGCTCAAAGGCCGGAAGGAGGCTATGCACAGCAACC  
 GCATTCTCACCTCCTGACCCAGGAGGCCCTCCATCCATGGAGTCAAGGAGGCCATACAGCTGGTAAA  
 CACCAGAGAAGAAGTGGAGGATCTTGCCGCTGGACAAAATAATTGACCTGATCATCCCTCGAGGCTCC  
 TCCAGCTGGTCAAGAGATCCAGAAAGCTGCCAAGGGATCCCAGTATGGGCCACAGCGAAGGGATCT  
 GCCACATGTACGTGGATTCTGAAGCCAGTGTGGACAAGGTCAACCGACTTGTGAGAGACTCCAAATGTGA  
 GTACCCAGCTGCCTGTAACGCCCTGGAGACTTTGCTCATCCACCGAGATCTGCTGAGAACACCCATTATT  
 GACCAGATCATTGACATGCTCAGAGTGGAAACAGGTAAAAATTACGCAGGCCCAAGTTTGCCTCCTACC  
 TGACCTTCAGCCCTCAGAAGTGAAGTCACTCCGGACAGAGTACGGGGACCTGGAAGTGTGCATCGAAGT  
 GGTGGACAGCGTCCAGGAAGCCATTGATCACAATCCATAAGTACGGCAGCTCCACACAGATGTATCGTC  
 ACCGAGAACGAGAAAACAGCCGAGTTCTTCTCCAGCATGTGGACAGTGCCTGCGTGTCTGGAACGCCA  
 GTACCCGCTTCTCTGATGGCTACCGATTTGGACTGGGAGCTGAAGTAGGAATCAGTACATACGAATCCA  
 TGCCCGGGGACCAGTAGGACTCGAGGGATTGCTAACTACTAAGTGGTTGCTTCGAGGGCAAGACCAGCTG  
 GTCTCAGACTTCTCAGAGCACGGAAGGCTAAAGTATCTTACGAGAACCTCCCTGTTCCCGAGGGCATT  
 TCAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001108524  
**Insert Size:** 2388 bp

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_001108524.1</a></u> , <u><a href="#">NP_001101994.1</a></u>   |
| <b>RefSeq Size:</b>           | 3454 bp   |
| <b>RefSeq ORF:</b>            | 2388 bp   |
| <b>Locus ID:</b>              | 361755  |
| <b>Cytogenetics:</b>          | 1q54  |