

## Product datasheet for MC227290

### Aldoart2 (NM\_001277340) Mouse Untagged Clone

#### Product data:

|                           |                                                                                    |
|---------------------------|------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                |
| Product Name:             | Aldoart2 (NM_001277340) Mouse Untagged Clone                                       |
| Tag:                      | Tag Free                                                                           |
| Symbol:                   | Aldoart2                                                                           |
| Synonyms:                 | 4933425L11Rik; Aldo1-ps1; Aldo-a-ps1                                               |
| Mammalian Cell Selection: | Neomycin                                                                           |
| Vector:                   | pCMV6-Entry (PS100001)                                                             |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                               |
| Fully Sequenced ORF:      | >MC227290 representing NM_001277340<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGTCCTTACCCCTACCCAGCACTGACCCCGAGCAGAAGAAGGAGCTGTCTGACATCGCTCGCCGAATTG  
 TGGCTCCGGGCAAGGGCATCCTGGCTGCAGATGAGTCCACTGGAAGCATTGCCAAGCGGCTGCAGTCCAT  
 TGGCACCAGAACACCGAGGAGAACAGACGCTTCTACCGTCAGCTGCTGCTGACTGCCGACGACCGTGTG  
 AATCCCTGCATTGGGGGTGTGATCCTCTCCATGAGACACTGTACCAGAAGGCAGATGATGGACGTCCT  
 TCCCCAGATTATCAAGTCCAAGGTGGTGTGTGGGCATTAAGGTGGACAAGGGCGTGGTGGCCCTGGC  
 AGGAACTAACGGCGAGACCACCAAGGGCTGGATGATCTGTCTGGACGCTGTGCTCAGTACAAGCAG  
 GATGGGGCCGATTTTGCCAAATGGCGCTGTGTGCTGAAGATTGGGAAACACACCCCTCAGCCCTCGCCA  
 TTATGGAAATGCCAATGTTCTGGCTCATTACGCCAGCATCTGCCAGCAGAATGGCATTGTACCCATTGT  
 GGAGCCAGAAATCCTCCTGATGGCGACCATGACTTGAAGCACTGTGAGTATGTAAGTGAAGGTAAGT  
 GCCGCTGTCTACAAGGCTCTGAGCGACCATGTCTACCTGGAAGGAACCTTACTGAAGCCCAACATGG  
 TCACCGCAGGCCATGCTTGCCTCAGGTATTTCCAGTGAAGAGATTGCCATGGCAACTGTACAGCACT  
 TCGTCGCACAGTGCCCTGCTGCTCCCTGGAGTCACTTTCCTGTCTGGAGGACAGAGTGAAGAAGAGGCA  
 TCCATCAACCTCAATGCTATCAACAAGTGTCCCTGCTGAAGCGTGGGCTTGACTTTCTCTATGGCC  
 GAGCCCTGCAGGCTTCTGCCCTAAAGGCTGGGGTGGGAAGAAGGAGAACACGAAGGATGCCCAAGAGGA  
 GTACATCAAGCGAGCCAGGCCAACAGCCTTGCTGTCAAGGAAAGTACACCCCAAGCAATGAGTCAGGG  
 GCAGCCGCCAGTGAATCCCTCTTCATCTCTAACCACGCCTACT**GA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACCN:</b>                  | NM_001277340                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Insert Size:</b>           | 1095 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>OTI Annotation:</b>        | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_001277340.1</u> , <u>NP_001264269.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq Size:</b>           | 1692 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1095 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 79459                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cytogenetics:</b>          | 12 C1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |