

## Product datasheet for **RR202442**

### Aldoa (NM\_012495) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Aldoa (NM\_012495) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Aldoa  
 Synonyms: Aldo1; RNALDOG5  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR202442 representing NM\_012495  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCCAACCCATACCCAGCACTGACCCCGGAGCAGAAGAAGGAGCTGGCTGACATCGCTCACCGAATTG  
 TAGCTCCGGGCAAGGGCATCCTGGCTGCAGACGAGTCCACTGGAAGCATTGCCAAGCGCTGCAGTCCAT  
 TGGCACCAGAACACCGAGGAGAACAGGGCCTTCTACCGCAACTGCTGCTGACTGCCGATGACCGTGTG  
 AATCCCTGCATTGGAGGGGTGATCCTTTCCACGAGACTGTACCAGAAGGCAGATGATGGCCGTCCCT  
 TCCCCAAGTTATCAAGTCCAAGGGTGGTGTGTGGGCATTAAGGTAGATAAGGGTGTAGTGCCCTGGC  
 TGGAAACCAATGGCGAGACCACTACTCAAGGGCTGGACGGGCTGTCTGAGCGCTGTGCCAGTATAAGAAG  
 GATGGAGCCGACTTTGCCAAGTGGCGCTGTGTGCTAAAGATTGGGGAGCATACTCCCTCGTCCCTCGCCA  
 TCATGGAAAAATGCCAATGTTCTGGCCGTTACGCCAGCATCTGCCAGCAGAATGGCATTGTACCCATTGT  
 GGAGCCTGAAATTCTCCCTGATGGGGACCATGACTTGAAGCGCTGCCAGTATGTAAGTGAAGGACTG  
 GCAGCTGTCTACAAGCTCTGAGTGACCACCATGTCTATCTGGAAGGCACACTGCTGAAGCCCAACATGG  
 TCACCCCTGGCCATGCTTGACCCAGAAATTTTCCAATGAGGAAATGCCATGGCAACCGTCACAGCATA  
 TCGTCGAACAGTGCCCCCTGCCGTCCTGGGGTCACTTTCTGTCTGGAGGGCAGAGTGAGGAAGAGGCA  
 TCCATCAACCTCAATGCTATCAACAAGTGTCCCTGCTGAAGCCATGGGCCTTGACTTTCTCCTATGGCC  
 GAGCCCTGCAGGCCTCTGCTCTAAAGGCTTGGGGTGGGAAGAAGGAGAACCCTGAAGGCAGCCAGGAGGA  
 GTACATCAAGCGAGCCCTGGCCAACAGCCTCGCTTGTCAAGGAAAGTACACTCCAAGTGGCCAGTCTGGA  
 GCCGAGCCAGTGAATCTCTCTCATCTCTAACCATGCCTAC

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>ORF Size:</b>	1092 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_012495.2</a> , <a href="#">NP_036627.1</a>
<b>RefSeq Size:</b>	1465 bp
<b>RefSeq ORF:</b>	1095 bp
<b>Locus ID:</b>	24189
<b>UniProt ID:</b>	<a href="#">P05065</a>
<b>Cytogenetics:</b>	1q36
<b>MW:</b>	39.4 kDa
<b>Gene Summary:</b>	member of the aldolase enzyme family [RGD, Feb 2006]