

## Product datasheet for **MC218761**

### Aldoa (NM\_001177308) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Aldoa (NM\_001177308) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Aldoa  
**Synonyms:** Aldo-1; Aldo1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC218761 representing NM\_001177308  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCCCCACCCATACCCAGCACTGACCCCGGAGCAGAAGAAGGAGCTGTCTGACATCGCTCACCGCATTG  
TGGCTCCGGGCAAGGGCATCCTGGCTGCAGATGAGTCCACCGAAGCATTGCCAAGCGCTGCAGTCCAT  
TGGCACCGAGAACACCGAGGAGAACAGGGCCTTCTACCGCCAGCTGCTGCTGACTGCAGACGACCGTGTG  
AATCCCTGCATTGGGGGGTATCCTCTCCACGAGACTGTACCAGAAGGCAGATGATGGACGTCCCT  
TCCCCAAGTTATCAAGTCCAAGGGTGGTGTGTGGGCATTAAGGTAGATAAGGGTGTGGTGGCCCTGGC  
AGGAACCAATGGCGAGACAACACTCCAGGGGCTGGATGGGCTGTCTGAACGCTGTGCCAGTATAAGAAG  
GATGGAGCCGACTTTGCCAAGTGGCGCTGTGTGCTAAAGATTGGGGAACATACTCCCTCGGCCCTGGCCA  
TCATGGAAAAATGCCAATGTTCTGGCCGTTATGCCAGCATCTGCCAGCAGAATGGCATTGTACCCATTGT  
GGAGCCTGAAATTCTCCCTGATGGGACCATGACTTGAAGCGCTGCCAGTATGTTACTGAGAAGGTCCTG  
GCGGCTGTCTACAAGCTCTGAGCGACCACCATGTCTATCTGGAAGGCACATTGCTGAAGCCCAACATGG  
TCACCCCTGGCCATGCTTGACCCAGAAAATTTTCCAATGAGGAGATTGCCATGGCAACGGTCACAGCATA  
TGGTTCGACAGTGCCTGCTGCTCACTGGGGTCACTTTCTGCTGGAGGGCAGAGTGAGGAAGAGGCA  
TCCATCAACCTCAATGCTATCAACAAGTCCCCCTGCTGAAGCCATGGGCCTTGACTTTCTCCTATGGTC  
GAGCCCTGCAGGCCTCTGCTCTAAAGCCTGGGGTGGGAAGAAGGAGAACCCTGAAGGCAGCCAGGAGGA  
GTACATCAAGCGCCCTGGCCAACAGCCTCGCTTGTCAAGGAAAGTATACCCCAAGTGGCCAGTCTGGA  
GCCGAGCCAGTGAATCTCTCTCATCTCTAACCATGCCTACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001177308



<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>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>NM_001177308.1, NP_001170779.1</u>
<b>RefSeq Size:</b>	1470 bp
<b>RefSeq ORF:</b>	1095 bp
<b>Locus ID:</b>	11674
<b>UniProt ID:</b>	<u>P05064</u>
<b>Cytogenetics:</b>	7 F3
<b>Gene Summary:</b>	<p>Plays a key role in glycolysis and gluconeogenesis. In addition, may also function as scaffolding protein (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) has multiple differences in its 5' end and uses a downstream start codon, compared to variant 1. The resulting protein (isoform 2) is shorter when it is compared to isoform 1. Variants 2 and 3 encode the same protein.</p>