

Product datasheet for **MC207222**

Aldoa (NM_007438) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aldoa (NM_007438) 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: >MC207222 representing NM_007438
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCCACCCATACCCAGCACTGACCCCGGAGCAGAAGAAGGAGCTGTCTGACATCGCTCACCGCATTG
TGGCTCCGGGCAAGGGCATCCTGGCTGCAGATGAGTCCACCGAAGCATTGCCAAGCGCTGCAGTCCAT
TGGCACCAGAACACCGAGGAGAACAGGGCCTTCTACCGCCAGCTGCTGCTGACTGCAGACGACCGTGTG
AATCCCTGCATTGGGGGGTATCCTCTCCACGAGACTGTACCAGAAGGCAGATGATGGACGTCCCT
TCCCCAAGTTATCAAGTCCAAGGGTGGTGTGTGGGCATTAAGGTAGATAAGGGTGTGGTGGCCCTGGC
AGGAACCAATGGCGAGACAACACTCCAGGGGCTGGATGGGCTGTCTGAACGCTGTGCCAGTATAAGAAG
GATGGAGCCGACTTTGCCAAGTGGCGCTGTGTGCTAAAGATTGGGGAACATACTCCCTCGGCCCTGGCCA
TCATGGAAAAATGCCAATGTTCTGGCCGTTATGCCAGCATCTGCCAGCAGAATGGCATTGTACCCATTGT
GGAGCCTGAAATTCTCCCTGATGGGACCATGACTTGAAGCGCTGCCAGTATGTTACTGAGAAGTCCCTG
GCGGCTGTCTACAAGCTCTGAGCGACCACCATGTCTATCTGGAAGGCACATTGCTGAAGCCCAACATGG
TCACCCCTGGCCATGCTTGACCCAGAAAATTTCCAATGAGGAGATTGCCATGGCAACGGTCACAGCACT
TGGTGCACAGTGCCTGCTGCTCACTGGGGTCACTTTCTGCTGGAGGGCAGAGTGAGGAAGAGGCA
TCCATCAACCTCAATGCTATCAACAAGTCCCCCTGCTGAAGCCATGGGCCTTGACTTTCTCCTATGGTC
GAGCCCTGCAGGCCTCTGCTCTAAAGCCTGGGGTGGGAAGAAGGAGAACCCTGAAGGCAGCCAGGAGGA
GTACATCAAGCGCCCTGGCCAACAGCCTCGCTTGCTCAAGGAAAGTATACCCCAAGTGGCCAGTCTGGA
GCCGAGCCAGTGAATCTCTCTTATCTCTAACCATGCCTACTAA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_007438



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Insert Size:	1095 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).
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_007438.4, NP_031464.1</u>
RefSeq Size:	1520 bp
RefSeq ORF:	1095 bp
Locus ID:	11674
UniProt ID:	<u>P05064</u>
Cytogenetics:	7 F3
Gene Summary:	Plays a key role in glycolysis and gluconeogenesis. In addition, may also function as scaffolding protein (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate in-frame exon 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.