

Product datasheet for MC208125

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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208125 representing NM_001177308 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCCACCCATACCCAGCACTGACCCCGGAGCAGAAGAAGGAGCTGTCTGACATCGCTCACCGCATTG
TGGCTCCGGCAAGGGCATCCTGGCTGCAGATGAGTCCACCGAAGCATTGCCAAGCGCTGCAGTCCAT
TGGCACCAGAACACCGAGGAGAACAGGGCCTTACCGCCAGCTGCTGCTGACTGCAGACGACCGTGTG
AATCCCTGCATTGGGGGGTATCCTCTCCACGAGACTGTACCAGAAGGCAGATGATGGACGTCCT
TCCCCAAGTTATCAAGTCCAAGGTGGTGTGGGCATTAAGGTAGATAAGGGTGTGGTCCCTGGC
AGGAACCAATGGCGAGACAACACCCAGGGCTGGATGGCTGTCTGAACGCTGTGCCAGTATAAGAAG
GATGGAGCCGACTTTGCCAAGTGGCGCTGTGTGCTAAAGATTGGGGAACATACTCCCTCGCCCTGGCCA
TCATGGAAAATGCCAATGTTCTGGCCGTTATGCCAGCATCTGCCAGCAGAAATGGCATTGTACCCATTGT
GGAGCCTGAAATCTCCCTGATGGGGACCATGACTTGAAGCGCTGCCAGTATGTTACTGAGAAGTCCCTG
GCGGCTGTCTACAAGGCTCTGAGCGACCACCATGTCTATCTGGAAGGCACATTGCTGAAGCCCAACATGG
TCACCCCTGGCCATGCTTGACCCAGAAATTTCCAATGAGGAGATTGCCATGGCAACGGTCACAGCACT
TCGTCGCACAGTCCCCCTGCTGCTACTGGGGTCACTTTCCTGTCTGGAGGCAGAGTGAGGAAGAGGCA
TCCATCAACCTCAATGCTATCAACAAGTGCCCCCTGCTGAAGCCATGGGCCTTACTTTCTCTATGGTG
GAGCCCTGCAGGCCTCTGCTCTAAAGGCTGGGGTGGGAAGAAGGAGAACCTGAAGGCAGCCAGGAGGA
GTACATCAAGCGCCCTGGCCAACAGCCTCGCTTGTCAAGGAAAGTATACCCCAAGTGGCCAGTCTGGA
GCCGAGCCAGTGAATCTCTTCTCATCTCTAACCATGCCTACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001177308
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_001177308.1</u> , <u>NP_001170779.1</u>
RefSeq Size:	1470 bp
RefSeq ORF:	1095 bp
Locus ID:	11674
UniProt ID:	<u>P05064</u>
Cytogenetics:	7 F3
Gene Summary:	<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>