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Product datasheet for MC208124

Aldoa (NM_001177307) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aldoa (NM_001177307) 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:	>MC208124 representing NM_001177307 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCAACGCGCAGGCCAGATGGGTCCAGCTTCAACATGACCCGCCTGTCCCTGGCTCTGGCTTTTTCCT TTCCCCCAGTTGCCAGTGAGCAACCCCACTCTGAGCTGGGCAACACCCAGCAACAGACAGAGTTAGGAAA GGAAAGCACTGCCACCGGCACCATGCCCCACCCATACCCAGCACTGACCCCGGAGCAGAAGAAGGAGCTG TCTGACATCGCTCACCGCATTGTGGCTCCGGGCAAGGGCATCCTGGCTGCAGATGAGTCCACCGGAAGCA TTGCCAAGCGCCTGCAGTCCATTGGCACCGAGAACACCGAGGAGAACAGGCGCTTCTACCGCCAGCTGCT GCTGACTGCAGACGACCGTGTGAATCCCTGCATTGGGGGGGTGATCCTCTTCCACGAGACACTGTACCAG AAGGCAGATGATGGACGTCCCTTCCCCCAAGTTATCAAGTCCAAGGGTGGTGTTGTGGGCATTAAGGTAG ATAAGGGTGTGGTGCCCCTGGCAGGAACCAATGGCGAGACAACTACCCAGGGGCTGGATGGGCTGTCTGA ACGCTGTGCCCAGTATAAGAAGGATGGAGCCGACTTTGCCAAGTGGCGCTGTGTGCTAAAGATTGGGGAA CATACTCCCTCGGCCCTGGCCATCATGGAAAATGCCAATGTTCTGGCCCGTTATGCCAGCATCTGCCAGC AGAATGGCATTGTACCCATTGTGGAGCCTGAAATTCTCCCTGATGGGGACCATGACTTGAAGCGCTGCCA GTATGTTACTGAGAAGGTCCTGGCGGCTGTCTACAAGGCTCTGAGCGACCACCATGTCTATCTGGAAGGC ACATTGCTGAAGCCCAACATGGTCACCCCTGGCCATGCTTGCACCCAGAAATTTTCCAATGAGGAGATTG CCATGGCAACGGTCACAGCACTTCGTCGCACAGTGCCCCCTGCTGTCACTGGGGTCACTTTCCTGTCTGG AGGGCAGAGTGAGGAAGAGGCATCCATCAACCTCAATGCTATCAACAAGTGCCCCCTGCTGAAGCCATGG GCCTTGACTTTCTCCTATGGTCGAGCCCTGCAGGCCTCTGCTCTAAAGGCCTGGGGTGGGAAGAAGGAGA ACCTGAAGGCAGCCCAGGAGGAGTACATCAAGCGCGCCCTGGCCAACAGCCTCGCTTGTCAAGGAAAGTA TACCCCAAGTGGCCAGTCTGGAGCCGCAGCCAGTGAATCTCTCTTCATCTCTAACCATGCCTACTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001177307
Insert Size:	1257 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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. More info
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:	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:	NM_001177307.1, NP_001170778.1
RefSeq Size:	1597 bp
RefSeq ORF:	1257 bp
Locus ID:	11674
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 (1) represents the longest transcript and it encodes the longer protein (isoform 1).