

Product datasheet for **MG205592**

Aldoa (NM_007438) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aldoa (NM_007438) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Aldoa
Synonyms:	Aldo-1; Aldo1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205592 representing NM_007438 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCAACCCATACCCAGCACTGACCCCGGAGCAGAAGAAGGAGCTGTCTGACATCGCTCACCGCATTG
TGGCTCCGGCAAGGCCATCCTGGCTGCAGATGAGTCCACCGAAGCATTGCCAAGCGCTGCAGTCCAT
TGGCACCAGAACACCGAGGAGAACAGGCGCTTACCAGCAGCTGCTGCTGACTGCAGACGACCGTGTG
AATCCCTGCATTGGGGGGTGATCCTCTCCACGAGACTGTACCAGAAGGCAGATGATGGACGTCCT
TCCCCAAGTTATCAAGTCCAAGGTGGTGTGTGGGCATTAAGGTAGATAAGGGTGTGGTCCCCCTGGC
AGGAACCAATGGCGAGACAACCTACCCAGGGCTGGATGGCTGTCTGAACGCTGTGCCCAGTATAAGAAG
GATGGAGCCGACTTTGCCAAGTGGCGCTGTGTGCTAAAGATTGGGGAACATACTCCCTCGGCCCTGGCCA
TCATGGAAAATGCCAATGTTCTGGCCGTTATGCCAGCATCTGCCAGCAGAAATGGCATTGTACCCATTGT
GGAGCCTGAAATCTCCCTGATGGGGACCATGACTTGAAGCGCTGCCAGTATGTTACTGAGAAGTCCCTG
GCGGCTGTCTACAAGGCTCTGAGCGACCACCATGTCTATCTGGAAGGCACATTGCTGAAGCCCAACATGG
TCACCCCTGGCCATGCTGCACCCAGAAATTTCCAATGAGGAGATTGCCATGGCAACGGTCACAGCACT
TCGTCGCACAGTGCCCCCTGCTGCTCACTGGGGTCACTTTCTGTCTGGAGGCAGAGTGAGGAAGAGGCA
TCCATAACCTCAATGCTATCAACAAGTCCCCCTGCTGAAGCCATGGGCCTTGACTTTCTCTATGGTC
GAGCCCCTGCAGGCCTCTGCTCTAAAGGCTGGGGTGGGAAGAAGGAGAACCTGAAGGCAGCCAGGAGGA
GTACATCAAGCGCGCCCTGGCCAACAGCCTCGTTGTCAAGGAAAGTATACCCCAAGTGCCAGTCTGGA
GCCGAGCCAGTGAATCTCTTTCATCTTAACCATGCCTAC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205592 representing NM_007438
 Red=Cloning site Green=Tags(s)

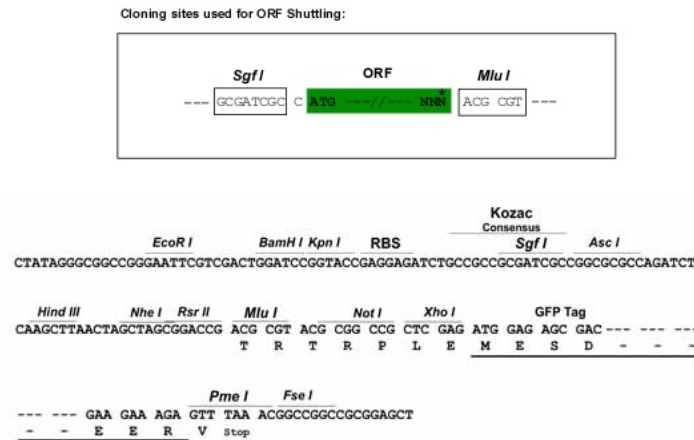
MPHPYPALTPEQKKE LSDIAHRIVAPGKGI LADESTGSI AKRLQSIGTENTEENRRFRYRQLLLTADDR
 NPCIGGVILFHETLYQKADDGRFPFQVIKSKGGVVGIVKVDKGVVPLAGTNGETTTQGLDGLSERCAQYKK
 DGADFAKWRCVLKIGEHTPSALAIMENANV LARYASICQQNGI VIVEPEILPDGDHDLKRCQYVTEKVL
 AAVYKALSDHHVYLEGTL LKPNMVT PGHACTQKFSNEEIAMATV TALARRTVPPAVTGVTF LSGGQSEEEA
 SINLNAINKPLLPWALTF SYGRALQASAL KAWGGKKNL KAAQEEYIKRALANSLACQGYTPSGQSG
 AAASESLFISNHAY

TRTRPLE - GFP Tag - V

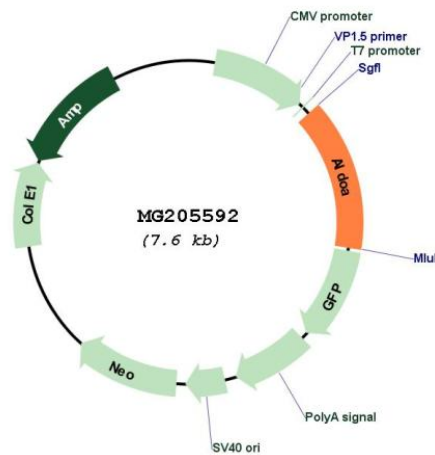
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_007438

ORF Size:	1092 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_007438.4 , NP_031464.1
RefSeq Size:	1587 bp
RefSeq ORF:	1095 bp
Locus ID:	11674
UniProt ID:	P05064
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]