

Product datasheet for **MG219505**

Aldoa (NM_001177308) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Aldoa (NM_001177308) 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: | >MG219505 representing NM_001177308 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCAACCCATACCCAGCACTGACCCCGGAGCAGAAGAAGGAGCTGTCTGACATCGCTCACCGCATTG
TGGCTCCGGCAAGGCCATCCTGGCTGCAGATGAGTCCACCGAAGCATTGCCAAGCGCTGCAGTCCAT
TGGCACCAGAACACCGAGGAGAACAGGCGCTTACC GCCAGCTGCTGCTGACTGCAGACGACCGTGTG
AATCCCTGCATTGGGGGGTGATCCTCTCCACGAGACTGTACCAGAAGGCAGATGATGGACGTCCT
TCCCCAAGTTATCAAGTCCAAGGTGGTGTGGGCATTAAGGTAGATAAGGGTGTGGTCCCCCTGGC
AGGAACCAATGGCGAGACAACACCCAGGGCTGGATGGCTGTCTGAACGCTGTGCCAGTATAAGAAG
GATGGAGCCGACTTTGCCAAGTGGCGCTGTGTGCTAAAGATTGGGGAACATACTCCCTCGGCCCTGGCCA
TCATGGAAAATGCCAATGTTCTGGCCGTTATGCCAGCATCTGCCAGCAGAAATGGCATTGTACCCATTGT
GGAGCCTGAAATCTCCCTGATGGGGACCATGACTTGAAGCGCTGCCAGTATGTTACTGAGAAGGTCCTG
GCGGCTGTCTACAAGGCTCTGAGCGACCACCATGTCTATCTGGAAGGCACATTGCTGAAGCCCAACATGG
TCACCCCTGGCCATGCTTGACCCAGAAATTTCCAATGAGGAGATTGCCATGGCAACGGTCACAGCACT
TCGTCGCACAGTGCCCCCTGCTGCTCACTGGGGTCACTTTCCTGTCTGGAGGCAGAGTGAGGAAGAGGCA
TCCATCAACCTCAATGCTATCAACAAGTCCCCCTGCTGAAGCCATGGGCCTTGACTTTCTCTATGGTC
GAGCCCCTGCAGGCCTCTGCTCTAAAGGCTGGGGTGGGAAGAAGGAGAACCTGAAGGCAGCCAGGAGGA
GTACATCAAGCGCCCTGGCCAACAGCCTCGCTTGTCAAGGAAAGTATACCCCAAGTGCCAGTCTGGA
GCCGAGCCAGTGAATCTCTTTCATCTTAACCATGCCTAC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG219505 representing NM_001177308
 Red=Cloning site Green=Tags(s)

MPHPYPALTPEQKKELSDIAHRIVAPGKGI LADESTGSI AKRLQSIGTENTEENRRFRYRQLLLTADDRV
 NPCIGGVILFHETLYQKADDGRFPFQVIKSKGGVVGIVKVDKGVVPLAGTNGETTTQGLDGLSERCAQYKK
 DGADFAKWRCVLKIGEHTPSALAIMENANV LARYASICQQNGI VIVEPEILPDGDHDLKRCQYVTEKVL
 AAVYKALSDHHVYLEGTL LKPNM VTPGHACTQKFSNEEIAMATV TALARRTVPPAVTGVTFLSGGQSEEEA
 SINLNAINKP L LKPWALTF SYGRALQASAL KAWGGK KENL KAAQE EYIKRALANSLACQGYTPSGQSG
 AAASESLFISNHAY

TRTRPLE - GFP Tag - V

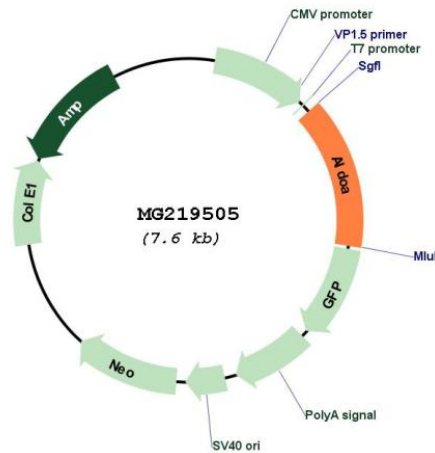
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001177308

| | |
|-------------------------------|---|
| 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_001177308.1 , NP_001170779.1 |
| RefSeq Size: | 1470 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] |