

Product datasheet for **RR216485**

Aldoa (NM_001177305) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aldoa (NM_001177305) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Aldoa
Synonyms: Aldo1; RNALDOG5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216485 representing NM_001177305
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCCAACCCATACCCAGCACTGACCCCGGAGCAGAAGAAGGAGCTGGCTGACATCGCTCACCGAATTG
TAGCTCCGGGCAAGGGCATCCTGGCTGCAGACGAGTCCACTGGAAGCATTGCCAAGCGCTGCAGTCCAT
TGGCACCGAGAACACCGAGGAGAACAGGCGCTTCTACCGCAACTGCTGCTGACTGCCGATGACCGTGTG
AATCCCTGCATTGGAGGGGTGATCCTTTCCACGAGACTGTACCAGAAGGCAGATGATGGCCGTCCCT
TCCCCAAGTTATCAAGTCCAAGGGTGGTGTGTGGGCATTAAGGTAGATAAAGGTGTAGTGCCCTGGC
TGAACCAATGGCGAGACCACTACTCAAGGGCTGGACGGGCTGTCTGAGCGCTGTGCCAGTATAAGAAG
GATGGAGCCGACTTTGCCAAGTGGCGCTGTGTGCTAAAGATTGGGGAGCATACTCCCTCGTCCCTCGCCA
TCATGGAAAAATGCCAATGTTCTGGCCGTTACGCCAGCATCTGCCAGCAGAATGGCATTGTACCCATTGT
GGAGCCTGAAATTCTCCCTGATGGGGACCATGACTTGAAGCGCTGCCAGTATGTAAGTGAAGGTAAGT
GCAGCTGTCTACAAGGCTCTGAGTGACCACCATGTCTATCTGGAAGGCACACTGCTGAAGCCCAACATGG
TCACCCCTGGCCATGCTTGACCCAGAAATTTTCCAATGAGGAAATGCCATGGCAACCGTCACAGCAT
TCGTCGAACAGTGCCCCCTGCCGTCCTGGGGTCACTTTCTGTCTGGAGGGCAGAGTGAGGAAGAGGCA
TCCATCAACCTCAATGCTATCAACAAGTGTCCCTGCTGAAGCCATGGGCCTTGACTTTCTCCTATGGCC
GAGCCCTGCAGGCCTCTGCTCTAAAGGCTTGGGGTGGGAAGAAGGAGAACCTGAAGGCAGCCAGGAGGA
GTACATCAAGCGAGCCCTGGCCAACAGCCTCGCTTGTCAAGGAAAGTACTCCAAGTGGCCAGTCTGGA
GCCGAGCCAGTGAATCTCTCTCATCTCTAACCATGCCTAC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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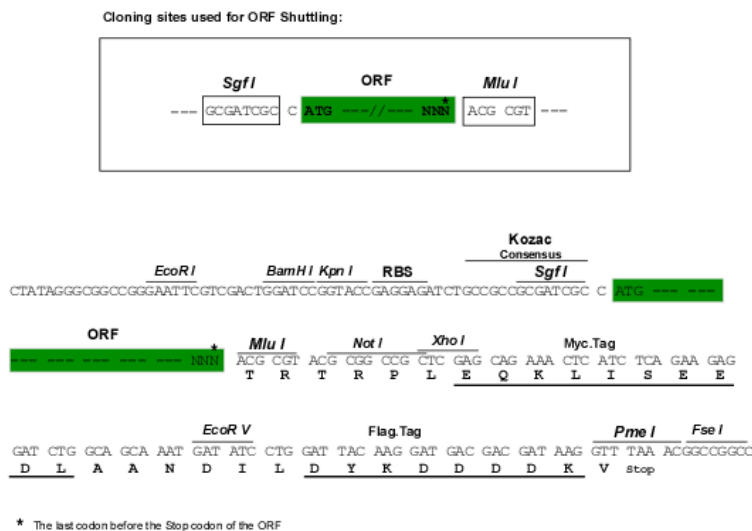
Protein Sequence: >RR216485 representing NM_001177305
 Red=Cloning site Green=Tags(s)

MPHPYPALTPEQKELADIAHRIVAPGKGILAADESTGSI AKRLQSIGTENTEENRRFYRQLLLTADDRV
 NPCIGGVILFHETLYQKADDRPFPQVIKSKGGVVGIVDKGVVPLAGTNGETTTQGLDGLSERCAQYKK
 DGADFAKWRCVLKIGEHTPSSLAIMENANV LARYASICQQNGI VIVEPEILPDGDHDLKRCQYVTEKVL
 AAVYKALSDHHVYLEGTL LKPNMVTPGHACTQKFSNEEIAMATVTALRRTVPPAVPGVTFLSGGQSEEEA
 SINLNAINKPPLLKPWALTF SYGRALQASALKAWGGKKENL KAAQEEYIKRALANSLACQKYTPSGQSG
 AAASESLFISNHAY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

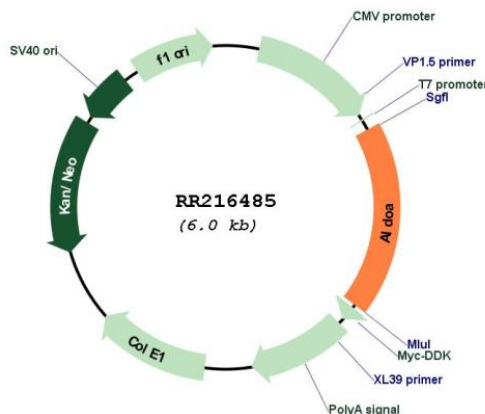
Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001177305

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_001177305.1 , NP_001170776.1
RefSeq Size:	1363 bp
RefSeq ORF:	1095 bp
Locus ID:	24189
UniProt ID:	P05065
Cytogenetics:	1q36
MW:	39.4 kDa
Gene Summary:	member of the aldolase enzyme family [RGD, Feb 2006]