

Product datasheet for **RN216485**

Aldoa (NM_001177305) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aldoa (NM_001177305) Rat Untagged Clone
Tag: Tag Free
Symbol: Aldoa
Synonyms: Aldo1; RNALDOG5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216485 representing NM_001177305
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCCCCACCCATACCCAGCACTGACCCCGGAGCAGAAGAAGGAGCTGGCTGACATCGCTCACCGAATTG
TAGCTCCGGGCAAGGGCATCCTGGCTGCAGACGAGTCCACTGGAAGCATTGCCAAGCGCTGCAGTCCAT
TGGCACCGAGAACACCGAGGAGAACAGGGCCTTCTACCGCAACTGCTGCTGACTGCCGATGACCGTGTG
AATCCCTGCATTGGAGGGGTGATCCTTTCCACGAGACTGTACCAGAAGGCAGATGATGGCCGTCCCT
TCCCCAAGTTATCAAGTCCAAGGGTGGTGTGTGGGCATTAAGGTAGATAAGGGTGTAGTGCCCTGGC
TGAACCAATGGCGAGACCACTACTCAAGGGCTGGACGGGCTGTCTGAGCGCTGTGCCAGTATAAGAAG
GATGGAGCCGACTTTGCCAAGTGGCGCTGTGTGCTAAAGATTGGGGAGCATACTCCCTCGTCCCTCGCCA
TCATGGAAAAATGCCAATGTTCTGGCCGTTACGCCAGCATCTGCCAGCAGAATGGCATTGTACCCATTGT
GGAGCCTGAAATTCTCCCTGATGGGACCATGACTTGAAGCGCTGCCAGTATGTAAGTGAAGGACTACTG
GCAGCTGTCTACAAGCTCTGAGTGACCACCATGTCTATCTGGAAGGCACACTGCTGAAGCCCAACATGG
TCACCCCTGGCCATGCTTGACCCAGAAAATTTTCCAATGAGGAAATGCCATGGCAACCGTCACAGCATA
TCGTGCAACAGTGCCCTCGCCGTCCTGGGGTCACTTTCTGTCTGGAGGGCAGAGTGAGGAAGAGGCA
TCCATCAACCTCAATGCTATCAACAAGTGTCCCTGCTGAAGCCATGGGCCTTGACTTTCTCCTATGGCC
GAGCCCTGCAGGCCTCTGCTCTAAAGGCTTGGGGTGGGAAGAAGGAGAACCTGAAGGCAGCCAGGAGGA
GTACATCAAGCGAGCCCTGGCCAACAGCCTCGCTTGTCAAGGAAAGTACTCCAAGTGGCCAGTCTGGA
GCCGAGCCAGTGAATCTCTCTTATCTCTAACCATGCCTACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001177305



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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001177305.1, NP_001170776.1</u>
RefSeq Size:	1363 bp
RefSeq ORF:	1095 bp
Locus ID:	24189
UniProt ID:	<u>P05065</u>
Cytogenetics:	1q36
Gene Summary:	member of the aldolase enzyme family [RGD, Feb 2006] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All three variants encode the same protein.