

Product datasheet for **MC206346**

Aldob (BC036132) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aldob (BC036132) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aldob
Synonyms:	MGC36398
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC036132
 GCCACCTCACACAGCTTCTGATACCTTGGAGGACTCTTCCCCTTTGCTGTACCTGTATCATATGGCTCACC
 GATTTCCAGCCCTCACCCAGAGCAGAAGAAGGAGCTCTCTGAAATTGCCAGCGCATTGTTGCCAATGG
 GAAGGGCATCCTGGCTGCAGATGAATCTGTGGGTACCATGGGAAACCGCCTGCAAAGGATAAAGGTGGAG
 AACACCGAAGAGAACCGAAGGCAGTCCGAGAACTCCTCTTTAGTGTGGACAATTCCATTAGCCAGAGCA
 TCGGCGGAGTGATCCTTTTCCACGAGACCCTTACCAGAAGGACAGCCAGGAAATCTGTTCCAGAAACGT
 TCTCAAGGAGAAGGGAATTGTGGTGGGCATCAAGTTGGACCAAGGAGGTGCCCCGCTTGCCAGAAACAAAC
 AAGGAAACCACCAATCAAGGGCTTGATGGCCTCTCTGAACGCTGTGCTCAGTACAAGAAAGATGGAGTTG
 ACTTTGGGAAGTGGCGTGTGTGTTGAGGATTGCTGACCAGTGTCTTCCAGCCTTGCTATCCAAGAAAA
 TGCCAATGCTCTGGCTCGCTATGCCAGCATCTGTGAGCAGAATGGGCTGGTCCCTATTGTTGAGCCAGAG
 GTGCTTCTGACGGAGACCATGACCTGGAGCACTGCCAGTATGTTTCTGAGAAGGTCTGGCTGTGTCT
 ACAAGGCTCTCAATGATCATCATGTTTACCTAGAAGGCACCTTGCTAAAGCCAAACATGGTGACTGTGG
 ACATGCCTGCACGAAGAAGTATACACCAGAGCAGGTGGCTATGGCCACTGTCACAGCTCTCCACAGA
 ACTGTTCTGCAGCTGTTCTGGTATCTGCTTTTGTCTGGAGGTATGAGTGAGGAGGATGCTACACTTAACC
 TCAATGCTATCAACCGTTGCCCTTACCAAGGCCCTGGAACTAAGCTTTTCATATGGAAGAGCCCTCCA
 GGCAGTGCATTGGCTGCCTGGGTGGCAAGGCTGCAAACAAGAAGGCAACCCAGGAAGCTTTCATGAAG
 CGGGCTATGGCTAACTGCCAGGCGGCCAAGGACAGTACGTTACACAGGCTCTTCAGGTGCTGCTGCCA
 CCCAGTCGCTCTTACAGCCTCCTACACCTATTAGATACTGTACCACCAGCCAGGCTCCAGTTCTCCTA
 AATATTTTGGAGACCTGAATGGCTCAGTCAACCTGGAATTAGATAACATTTGATTGAACCTTCTGAAAA
 CACAACACATGTGAATCATAAACACAAGAGAAAAGCCAAATCAGCTTTGAAACCAAGAATGAGCATGTC
 ACCCAATAGTCTCAACACTTCCAGTTCCTATGTTCCAGAACATTCATCCAAGAAAAGAACAGGCCAC
 GACTGAGAAAAGCAACTCAGAAGCAGAGGATGGAGAAGGGCATTAAATAAACATAGTTACCAGGGGTTG
 GTTATAGAAGAGGCACAGCAACAGAAAAAGAAATAAACGTGTATGAACCTTCCGTTGGTACAGTTTCAC
 TTTCTGCTCTTGTGAGGGATCCTGCATTTTCATTGTCTTTGCCTATACCAGATACAACCCCAATAGTCA
 GGATCCTCAGCCCAGATGCTCACTACAGTCAAGTGGCTGATGGCTCCCTTTAGCTGAATTACACTAGAA
 ACTCTACCAGATTAATAAGAGTTCTTTTGGGGCTTCTATATGCAGTCATACTTGAGAACAGTCAGTCT
 AGACTTCTAGCTTGAGAAATTTGAGAATACTAAGCTGCAACAGAGACTCATCTTCCAAAGCTATGGAG
 TGTAGAGAATGAGTTGATAAACCTGACTTGGCATACTCCTCTCCAGGAATCCAGGTTTTGTGACACAGAA
 CTACATTTCTCTCAAAGTCAAGCTGGTCCCCAGCTGTGCAATAACAATCGTTGAATAATAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC036132

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).

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: [BC036132](#), [AAH36132](#)

RefSeq Size: 1993 bp

RefSeq ORF: 1095 bp

Locus ID: 230163

Cytogenetics: 4 26.57 cM

Gene Summary: This gene encodes a subunit of the homotetrameric enzyme aldolase B, an isozyme of the class I fructose 1,6-bisphosphate aldolase enzyme. This enzyme catalyzes the conversion of fructose 1,6-bisphosphate to dihydroxyacetone phosphate and glyceraldehyde 3-phosphate. Homozygous knockout mice for this gene exhibit liver damage and death following fructose ingestion. A pseudogene of this gene has been identified in the genome. [provided by RefSeq, Aug 2015]