

ALDOB cDNA

Catalog Number: ATGD0003

PRODUCT INFORMATION

Catalog number

ATGD0003

Product type

cDNA

Species

Human

NCBI Accession No.

NP_000026.2

Alternative Names

ALDB, ALDO2

mRNA Refseq

NM_000035.3

OMIM

612724

Chromosome location

9q21.3-q22.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1095bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted Nde I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

ALDOB cDNA

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Fructose-bisphosphate aldolase B, also known as ALDOB, is one of three known aldolase isoenzymes, and is found in kidney and small adult intestine where it is associated with aldolases A or C. ALDOB catalyzes the reversible cleavage of fructose 1-phosphate into dihydroxyacetone phosphate and glyceraldehyde. It is regulated by the hormones Insulin and glucagon and has been implicated in hereditary fructose intolerance disease

DATA

Sequence nucleotides

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ATGGCCCACC GATTTCCAGC CCTACCCAG GAGCAGAAGA AGGAGCTCTC AGAAATTGCC CAGAGCATTG
TTGCCAATGG AAAGGGGATC CTGGCTGCAG ATGAATCTGT AGGTACCATG GGGAACCGCC TGCAGAGGAT
CAAGGTGGAA AACACTGAAG AGAACCGCCG GCAGTTCCGA GAAATCCTCT TCTCTGTGGA CAGTTCCATC
AACCAGAGCA TCGGGGGTGT GATCCTTTTC CACGAGACCC TCTACCAGAA GGACAGCCAG GGAAAGCTGT
TCAGAAACAT CCTCAAGGAA AAGGGGATCG TGGTGGGAAT CAAGTTAGAC CAAGGAGGTG CTCCTCTTGC
AGGAACAAAC AAAGAAACCA CCATTCAAGG GCTTGATGGC CTCTCAGAGC GCTGTGCTCA GTACAAGAAA
GATGGTGTTG ACTTTGGGAA GTGGCGTGCT GTGCTGAGGA TTGCCGACCA GTGTCCATCC AGCCTCGCTA
TCCAGGAAAA CGCCAACGCC CTGGCTCGCT ACGCCAGCAT CTGTCAGCAG AATGGACTGG TACCTATTGT
TGAACCAGAG GTAATTCCTG ATGGAGACCA TGACCTGGAA CACTGCCAGT ATGTTACTGA GAAGGTCCTG
GCTGCTGTCT ACAAGGCCCT GAATGACCAT CATGTTTACC TGGAGGGCAC CTGCTAAAG CCCAACATGG
TGACTGCTGG ACATGCCTGC ACCAAGAAGT AACTCCAGA ACAAGTAGCT ATGGCCACCG TAACAGCTCT
CCACCGTACT GTTCCTGCAG CTGTTCTTGG CATCTGCTTT TTGTCTGGTG GCATGAGTGA AGAGGATGCC
ACTCTCAACC TCAATGCTAT CAACCTTTGC CCTCTACCAA AGCCCTGGAA ACTAAGTTTC TCTTATGGAC
GGGCCCTGCA GGCCAGTGCA CTGGCTGCCT GGGGTGGCAA GGCTGCAAAC AAGGAGGCAA CCCAGGAGGC
TTTTATGAAG CGGGCCATGG CTAAGTCCA GCGGCCAAA GGACAGTATG TTCACACGGG TTCTTCTGGG
GCTGCTTCCA CCCAGTCGCT CTTACAGCC TGCTATACCT ACTAG
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Transaction Sequence

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MAHRFPALTQ EQKKELSEIA QSIVANGKGI LAADESVGTM GNRLQRIKVE NTEENRRQFR EILFSVDSSI NQSIGGVILF
HETLYQKDSQ GKLFNRNILE KGIVVGKLD QGGAPLAGTN KETTIQGLDG LSERCAQYKK DGVDFGKWRA VLRIADQCPS
SLAIQENANA LARYASICQQ NGLVPIVEPE VIPDGDHDL HCQYVTEKVL AAVYKALNDH HVYLEGTLLK PNMVTAGHAC
TKKYTPEQVA MATVTALHRT VPAAVPGICF LSGGMSEEDA TLNLNAINLC PLPKPWKLSF SYGRALQASA LAAWGGKAAN
KEATQEA FMK RAMANCQAAK GQYVHTGSSG AASTQSLFTA CYTY
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