

# Recombinant Full Length Human ALDOB Protein, GST-tagged

Cat. No. ALDOB-1534HF Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Human ALDOB full-length ORF ( AAH29399, 1 a.a. - 316 a.a.) recombinant protein with GST-tag at N-terminal.

**Species** Human

**Source** In Vitro Cell Free System

**ProteinLength** 316 amino acids

**Description** Fructose-1,6-bisphosphate aldolase (EC 4.1.2.13) is a tetrameric glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Vertebrates have 3 aldolase isozymes which are distinguished by their electrophoretic and catalytic properties. Differences indicate that aldolases A, B, and C are distinct proteins, the products of a family of related 'housekeeping' genes exhibiting developmentally regulated expression of the different isozymes. The developing embryo produces aldolase A, which is produced in even greater amounts in adult muscle where it can be as much as 5% of total cellular protein. In adult liver, kidney and intestine, aldolase A expression is repressed and aldolase B is produced. In brain and other nervous tissue, aldolase A and C are expressed about equally. There is a high degree of homology between aldolase A and C. Defects in ALDOB cause hereditary fructose intolerance. [provided by RefSeq, Dec 2008]

**Molecular Mass** 60.5 kDa

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**AA Sequence**

MAHRFPALTQ EQKKELSEIA QSIVANGKGI LAADESVGTM GNRLQRIKVE  
 NTEENRRQFR EILFSVDSSI NQSIGGVILF HETLYQKDSQ GKLFRNILKE  
 KGIVVGIKLD QGGAPLAGTN KETTIQGLDG LSERCAQYKK DGVDFGKWRA  
 VLRIADQCPS SLPIQENANA LARYASICQQ NGLVPIVEPE VIPDGDHDLE  
 HCQYVTEKVL AAVYKALNDH HVYLEGTLK PNMVTAGHAC TTKYTPEQVA  
 MATVTALHRT VPAAVPGICF LSGGMSEEDA TLNLNAINLC PLPKPWKLSF  
 SGVARLQTRR QPRRL

**Applications**

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
 Antibody Production; Protein Array

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [ALDOB aldolase B, fructose-bisphosphate \[ Homo sapiens \]](#)

**Official Symbol** [ALDOB](#)

**Synonyms** ALDOB; aldolase B, fructose-bisphosphate; fructose-bisphosphate aldolase B;  
 aldolase 2; liver-type aldolase; aldolase B, fructose-bisphosphatase; ALDB; ALDO2

**Gene ID** [229](#)

**mRNA Refseq** [NM\\_000035](#)

**Protein Refseq** [NP\\_000026](#)

**MIM** [612724](#)

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