

Fructose-bisphosphate aldolase B (Aldob) Recombinant Protein | Aldob recombinant protein

Recombinant Mouse Fructose-bisphosphate aldolase B (Aldob)

CATALOG # AAA116589	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
-------------------------------	---

PRODUCT SYNONYMS

Fructose-bisphosphate aldolase B (Aldob); Recombinant Mouse Fructose-bisphosphate aldolase B (Aldob); Aldob recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-364, full length protein
Sequence	AHRFPALTPE QKKELSEIAQ RIVANGKGIL AADESVMGTMG NRLQRIKVEN TEENRRQFRE LLFSVDNSIS QSIGGVILFH ETLYQKDSQG NLFNRVLKEK GIVVGILDKQ GGAPLAGTNK ETTIQGLDGL SERCAQYKKD GVDFGKWRAV LRIADQCPSS LAIQENANAL ARYASICQQN GLVPIVEPEV LPDGDHDLH QYVSEKVL AVYKALNDHH VYLEGTLLKP NMVTAGHACT KKYTPQVAM ATVTALHRTV PAAVPGICFL SGMSEEDAT LNLNAINRCP LPRPWKLSFS YGRALQASAL AAWGGKAANK KATQEAFFMKR AMANCQAAQG QYVHTGSSGA AATQSLFTAS YTY
Sequence Length	363
Species	Mouse
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for Aldob recombinant protein	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.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	21450291
NCBI GeneID	230163
NCBI Accession #	NP_659152.1
NCBI GenBank Nucleotide #	NM_144903.3
UniProt Accession #	Q91Y97 ; Q8K034 ; Q91W73

Molecular Weight	39,507 Da
NCBI Official Full Name	fructose-bisphosphate aldolase B
NCBI Official Synonym Full Names	aldolase B, fructose-bisphosphate
NCBI Official Symbol	Aldob
NCBI Official Synonym Symbols	Aldo2; Aldo-2; BC016435
NCBI Protein Information	fructose-bisphosphate aldolase B
UniProt Protein Name	Fructose-bisphosphate aldolase B
UniProt Gene Name	Aldob
UniProt Synonym Gene Names	Aldo2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/aldob-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116589>