

ALDOB recombinant protein

ALDOB, 1-364aa, Human, His tag, E Coli

CATALOG # AAA48712	HOST E Coli	APPLICATIONS SDS-Page
------------------------------	-----------------------	---------------------------------

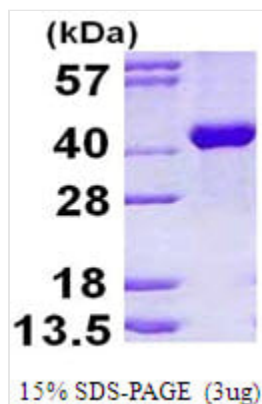
PRODUCT SYNONYMS

ALDOB; 1-364aa; Human; His tag; E Coli; Fructose-bisphosphate aldolase B; ALDB; ALDO2; Fructose bisphosphate aldolase B; ALDOB recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSMAHRFP ALTQEQKKEL SEIAQSIVAN GKGILAADES VGTMGNRLQR IKVENTEENR RQFREILFSV DSSINQSIGG VILFHETLYQ KDSQGKLFNR ILKEGIVVG IKLDQGGAPL AGTNKETTIQ GLDGLSERCA QYKKGVDG KWRVLRAD QCPSSLAIQE NANALARYAS ICQQNGLVPI VEPEVIPDGD HDLEHCQYVT EKVLAAYKA LNDHHVYLEG TLLKPNMVTA GHACTKKYTP EQVAMATVTA LHRTVPAAVP GICFLSGGMS EEDATLNLNA INLCPLPKPW KLSFSYGRAL QASALAAWGG KANKEATQE AFMKRAMANC QAAKGQYVHT GSSGAASTQS LFTACYTY
Sequence Length	364
Applicable Applications for ALDOB recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ALDOB recombinant protein	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. Recombinant human ALDOB protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for ALDOB recombinant protein	Metabolism
References	Caffe A R., et al. (1994) J Comp Neurol. 348:291-297.; Dehnes Y., et al. (1998) J Neurosci. 18:3606-3619.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40354205
NCBI GeneID	229
NCBI Accession #	NP_000026
NCBI GenBank Nucleotide #	NM_000035.3
UniProt Accession #	P05062; Q13741; Q13742; Q5T7D6
Molecular Weight	42 kDa (388aa) confirmed by MALDI-TOF
NCBI Official Full Name	fructose-bisphosphate aldolase B
NCBI Official Synonym Full Names	aldolase, fructose-bisphosphate B
NCBI Official Symbol	ALDOB
NCBI Official Synonym Symbols	ALDB; ALDO2
NCBI Protein Information	fructose-bisphosphate aldolase B
UniProt Protein Name	Fructose-bisphosphate aldolase B
UniProt Gene Name	ALDOB
UniProt Synonym Gene Names	ALDB

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.