

Recombinant human ALDOB protein

Catalog Number: ATGP1404

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-364aa

UniProt No.

P05062

NCBI Accession No.

NP_000026.2

Alternative Names

Fructose-bisphosphate aldolase B, ALDB, ALDO2, Fructose bisphosphate aldolase B

PRODUCT SPECIFICATION

Molecular Weight

42 kDa (388aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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.

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Amino acid Sequence

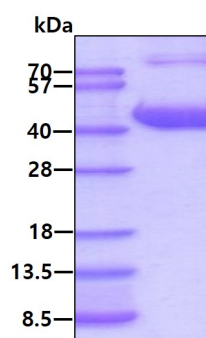
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GLDGLSERCA QYKKGVDVDFG KWRAVLRIAD QCPSSLAIQE NANALARYAS ICQQNGLVPI VEPEVIPDGD HDLEHCQYVT
EKVLAAYKA LNDHHVYLEG TLLKPNMVTA GHACTKKYTP EQVAMATVTA LHRTVPAAVP GICFLSGGMS EEDATLNLNA
INLCPLPKPW KLSFSYGRAL QASALAAWGG KAAKKEATQE AFMKRAMANC QAAKGQYVHT GSSGAASTQS LFTACYTY

General References

Caffe A R., et al. (1994) J Comp Neurol. 348:291-297.
Dehnes Y., et al. (1998) J Neurosci. 18:3606-3619.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.