

Recombinant Human Aldolase B protein ab123165

1 Image

Description

Product name	Recombinant Human Aldolase B protein
Purity	> 95 % SDS-PAGE. ab123165 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>P05062</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGSHMAHRFPALTQEQQK ELSEIAQSIVAN GKGILAADESVGTMGNRLQRIKVENTEENRRQFREILFSVD SSINQSIGG VILFHETLYQKDSQGKLFERNILKEKGIVVGIKLDQGGAPLAG TNKETTIQ GLDGLSERCAQYKKGVDGDFGKWRAVLRIADQCPSSLAIQ ENANALARYAS ICQQNGLVPVEPEVIPDGDHDLEHCQYVTEKVLAAVYKAL NDHHVYLEG TLLKPNMVTAGHACTKKYTPEQVAMATVTALHRTVPAAVP GICFLSGGMS EEDATLNLNAINLCPLPKPWKLSFSYGRALQASALAAWG GKAANKEATQE AFMKRAMANCQAAKGQYVHTGSSGAASTQSLFTACYT
Predicted molecular weight	42 kDa including tags
Amino acids	1 to 364
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab123165** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Mass Spectrometry
	SDS-PAGE
Mass spectrometry	MALDI-TOF
Form	Liquid

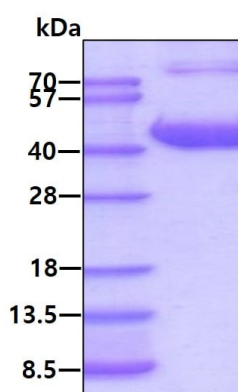
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
	pH: 8.00
	Constituents: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Pathway	Carbohydrate degradation; glycolysis; D-glyceraldehyde 3-phosphate and glyceralone phosphate from D-glucose: step 4/4.
Involvement in disease	Defects in ALDOB are the cause of hereditary fructose intolerance (HFI) [MIM:229600]. HFI is an autosomal recessive disease that results in an inability to metabolize fructose and related sugars. Complete exclusion of fructose results in dramatic recovery; however, if not treated properly, HFI subjects suffer episodes of hypoglycemia, general ill condition, and risk of death the remainder of life.
Sequence similarities	Belongs to the class I fructose-bisphosphate aldolase family.

Images



SDS-PAGE - Recombinant Human Aldolase B protein (ab123165)

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

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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