Datasheet for ABIN7317289

ALDOB Protein (GST tag)

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Overview

Quantity:	100 µg
Target:	ALDOB
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALDOB protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Human ALDOB/Aldolase B Protein (GST Tag)
Sequence:	Ala 2-Tyr 364
Characteristics:	A DNA sequence encoding the human ALDOB (P05062) (Ala 2-Tyr 364) was fused with the GST tag at the N-terminus.
Purity:	> 88 % as determined by reducing SDS-PAGE.

Target Details

Target:	ALDOB
Alternative Name:	ALDOB/Aldolase B (ALDOB Products)
Background:	Background: UBE2G1 is a member of the ubiquitin-conjugating E2 family whose members perform the second step in the ubiquitination reaction. Initially identified as the main process for protein degradation; ubiquitination is believed nowadays to be crucial for a wider range of cellular processes. The outcome of the ubiquitin-conjugation reaction; and thereby the fate of

Target Details

	the substrate; is heavily dependent on the number of ubiquitin molecules attached and how these ubiquitin molecules are inter-connected. To deal with this complexity and to allow adequate ubiquitination in time and space; a highly sophisticated conjugation machinery has been developed. In a sequential manner; ubiquitin becomes activated by an ubiquitin-activating enzyme (E1); which then transfers the ubiquitin to a group of ubiquitin-conjugating enzymes (E2s). Next; ubiquitin-loaded E2s are interacting with ubiquitin protein ligases (E3s) and ubiquitin is conjugated to substrates on recruitment by the E3. These three key enzymes are operating in a hierarchical system; wherein two E1s and 35 E2s have been found and hundreds of E3s have been identified in humans. Synonym: ALDB;ALDO2
Molecular Weight:	66.5 kDa
UniProt:	P05062

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.5
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.