Datasheet for ABIN1880655

ALDOC Protein (AA 2-364) (His tag)

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Overview

Quantity:	50 µg
Target:	ALDOC
Protein Characteristics:	AA 2-364
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALDOC protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Fructose-Bisphosphate Aldolase C/ALDOC (C-6His)
Sequence:	PHSYPALSAE QKKELSDIAL RIVAPGKGIL AADESVGSMA KRLSQIGVEN TEENRRLYRQ VLFSADDRVK KCIGGVIFFH ETLYQKDDNG VPFVRTIQDK GIVVGIKVDK GVVPLAGTDG ETTTQGLDGL SERCAQYKKD GADFAKWRCV LKISERTPSA LAILENANVL ARYASICQQN GIVPIVEPEI LPDGDHDLKR CQYVTEKVLA AVYKALSDHH VYLEGTLLKP NMVTPGHACP IKYTPEEIAM ATVTALRRTV PPAVPGVTFL SGGQSEEEAS FNLNAINRCP LPRPWALTFS YGRALQASAL NAWRGQRDNA GAATEEFIKR AEVNGLAAQG KYEGSGEDGG AAAQSLYIAN HAYVDHHHHH H
Characteristics:	Recombinant Human Fructose-bisphosphate aldolase C/ALDOC is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Phe2-Tyr364) of Human ALDOC fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	ALDOC
Alternative Name:	ALDOC (ALDOC Products)
Sub Type:	Fusionprotein
Background:	Fructose-bisphosphate aldolase C (ALDOC) belongs to the class I fructose-bisphosphate aldolase family. It is an enzyme that, in humans, is encoded by the ALDOC gene. ALDOC is expressed exclusively in the hippocampus and Purkinje cells of the brain. ALDOC is a glycolytic enzyme which catalyzes the reversible aldol cleavage of fructose-1,6-biphosphate and fructose 1-phosphate to dihydroxyacetone phosphate and either glyceraldehyde-3-phosphate or glyceraldehydes respectively Alternative Names: Fructose-bisphosphate aldolase C, EC=4.1.2.13, Brain-type aldolase, ALDC, Aldo3, Aldolase C, Scrg2, zebrin II
Molecular Weight:	40.3 kDa
UniProt:	P09972

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl,100 mM NaCl, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

Handling

Expiry Date:	6 months