

AR09920PU-N

Human Aldolase C / ALDOC (1-364, His-tag) - Purified

Alternate names:

ALDC, Brain-type aldolase, Fructose-bisphosphate aldolase C

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

ALDOC, also known as aldolase C, is a member of the class I fructose-biphosphate aldolase family. This protein is a glycolytic enzyme that 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. It is expressed specifically in the hippocampus and Purkinje cells of the brain.

Uniprot ID:

[P09972](#)

NCBI:

[NP_005156](#)

GeneID:

[230](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl

Description:

Recombinant human ALDOC protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MPHSYPALSA EQKKE LSDIA LRIVAPGKGI LAADESVGSM
AKRLSQIGVE NTEENRRLYR QVLFSADDRV KKCIGGVIFF HETLYQKDDN GVPFVRTIQD
KGIVVGKVD KGVVPLAGTD GETTTQGLDG LSERCAQYKK DGADFAKWRC VLKISERTPS
ALAI LENANV LARYASICQQ NGIVPIVEPE ILPDGDHDLK RCQYVTEKVL AAVYKALSDH
HVYLEGTLLK PNMVTPGHAC PIKYTPEEIA MATVTALRRT VPPAVPGVTF LSGGQSEEEA
SFNLNAINRC PLRPWALTF SYGRALQASA LNAWRGQRDN AGAATEEFIK RAEVNGLAAQ
GKYEGSGEDG GAAAQSLYIA NHAY

Molecular weight: 41.6 kDa (384aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Wang CF., et al. (2007) Anim Genet. 38(3):203-10.

Arakaki TL., et al. (2004) Protein Sci. 13(12):3077-84.

Pictures:

Recombinant human ALDOC, 1-364 aa,
His-tagged

