

# Recombinant mouse Aldoc protein

Catalog Number: ATGP3075

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-363aa

### UniProt No.

P05063

### NCBI Accession No.

NP\_033787

### Alternative Names

Fructose-bisphosphate aldolase C, AI847350, Aldo3, AU040929, Scrg2

## PRODUCT SPECIFICATION

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### Molecular Weight

41.9 kDa (387aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT

### 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

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### Description

Aldoc also known as fructose-bisphosphate 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. Recombinant mouse Aldoc, 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

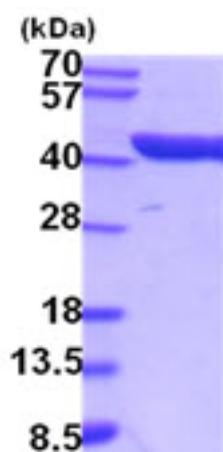
MGSSHHHHHH SSSLVPRGSH MGSHPHPSYP ALSAEQKKEL SDIALRIVTP GKGILAADES VGSMARKLSQ IGVNTEENR  
RLYRQVLFSR DDRVKKCIGG VIFFHETLYQ KDDNGVPFVR TIQDKGILVG IKVDKGVVPL AGTDGETTTQ GLDGLLERCA  
QYKKDGADFA KWRCVLKISD RTPSALAILE NANVLARYAS ICQNGIVPI VEPEILPDGD HDLKRCQYVT EKVLAAYKA  
LSDHHVYLEG TLLKPNMVTG GHACPIKYSY EEIAMATVTA LRRTVPPAVP GVTFLSGGQS EEEASLNLNA INRCPLPRPW  
ALTFYGRAL QASALNAWRG QRDNAGAATE EFIKRAEMNG LAAQGRYEGS GDGGAAAQSL YIANHAY

### General References

Zgiby SM., et al. (2006) Eur. J. Biochem. 267 (6): 1858-68..

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)