

Recombinant Mouse Aldoc, His-tagged

Cat. No. Aldoc-55M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Aldoc, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
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.
Form	Liquid, In Phosphate buffered saline (pH7.4) containing 20% glycerol, 1mM DTT
Molecular Mass	41.9kDa (387aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHPHSYP ALSAEQKKEL SDIALRIVTP GKGILAADES VGSMARKLSQ IGVNTEENR RLYRQVLFSR DDRVKKCIGG VIFFHETLYQ KDDNGVPFVR TIQDKGILVG IKVDKGVVPL AGTDGETTTQ GLDGLLERCA QYKKDGADFA KWRCVLKISD RTPSALAILE NANVLARYAS ICQQNGIVPI VEPEILPDGD HDLKRCQYVT EKVLAAYKA LSDHHVYLEG TLLKPNMVTP GHACPIKYSY EEIAMATVTA LRRTVPPAVP GVTFLSGGQS EEEASLNINA INRCPLRPW ALTFYSGRAL QASALNAWRG QRDNAGAATE EFIKRAEMNG LAAQGRYEGS GDGGAAQSL YIANHAY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	Aldoc aldolase C, fructose-bisphosphate [Mus musculus]
Official Symbol	Aldoc
Synonyms	ALDOC; aldolase C, fructose-bisphosphate; fructose-bisphosphate aldolase C; zebrin II; brain-type aldolase; aldolase 3, C isoform; scrapie responsive gene 2; scrapie-responsive protein 2; Aldo3; Scrg2; AI847350; AU040929;
Gene ID	11676
mRNA Refseq	NM_009657
Protein Refseq	NP_033787
Pathway	Fructose and mannose metabolism, organism-specific biosystem; Fructose and mannose metabolism, conserved biosystem; Gluconeogenesis, organism-specific biosystem; Gluconeogenesis, oxaloacetate =>fructose-6P, organism-specific biosystem; Gluconeogenesis, oxaloacetate => fructose-6P, conserved biosystem;
Function	catalytic activity; cytoskeletal protein binding; fructose-bisphosphate aldolase activity; fructose-bisphosphate aldolase activity; lyase activity;

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