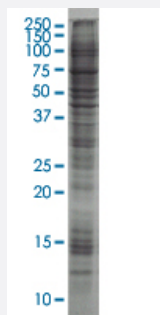


ALDOA HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

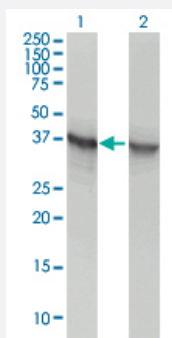
Catalog # L012T6 Size 100 ug

Applications



SDS-PAGE Gel

ALDOA transfected lysate



Western Blot

Lane 1: ALDOA transfected lysate (39 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	HEK293
Plasmid	pCMV-ALDOA full length
Host	Human
Theoretical MW (kDa)	39
Lysis Buffer	Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Concentration	2 mg/ml

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ALDOA antibody ([H00000226-M02](#)) by Western Blots.
SDS-PAGE Gel
ALDOA transfected lysate
Western Blot
Lane 1: ALDOA transfected lysate (39 KDa).
Lane 2: Non-transfected lysate.

Recommend Usage

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

Storage Buffer

In modified RIPA Lysis Buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunoprecipitation

[Protocol Download](#)

Gene Info — ALDOA

Entrez GeneID

[226](#)

GeneBank Accession#

[BC010660](#)

Protein Accession#

[AAH10660](#)

Gene Name

ALDOA

Gene Alias

ALDA, MGC10942, MGC17716, MGC17767

Gene Description

aldolase A, fructose-bisphosphate

Omim ID

[103850](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene product, Aldolase A (fructose-bisphosphate aldolase) is a glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Three aldolase isozymes (A, B, and C), encoded by three different genes, are differentially expressed during development. Aldolase A is found in the developing embryo and is produced in even greater amounts in adult muscle. Aldolase A expression is repressed in adult liver, kidney and intestine and similar to aldolase C levels in brain and other nervous tissue. Aldolase A deficiency has been associated with myopathy and hemolytic anemia. Alternative splicing of this gene results in multiple transcript variants which encode the same protein. [provided by RefSeq]

Other Designations

aldolase A|fructose-1,6-bisphosphate triosephosphate-lyase|fructose-bisphosphate aldolase A

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Carbon fixation in photosynthetic organisms](#)
- [Fructose and mannose metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [Pentose phosphate pathway](#)

Disease

- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)