



[Go to Product page](#)

Datasheet for ABIN1096690
ALDOA Protein (AA 2-364) (His tag)

Overview

Quantity:	50 µg
Target:	ALDOA
Protein Characteristics:	AA 2-364
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALDOA protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Fructose-Bisphosphate Aldolase A/ALDOA (C-6His)
Sequence:	PYQYPALTPE QKKELSDIAH RIVAPGKGIL AADESTGSIA KRLQSIGTEN TEENRRFYRQ LLLTADDRVN PCIGGVILFH ETLYQKADDG RFPFQVIKSK GGVVGIVKVDK GVVPLAGTNG ETTTQGLDGL SERCAQYKKD GADFAKWRCV LKIGEHTPSA LAIMENANVL ARYASICQQN GIVPIVEPEI LPDGDHDLKR CQYVTEKVLAVYKALSDHH IYLEGTLLKP NMVTPGHACT QKFSHEEIAM ATVTALRRTV PPAVTGITFL SGGQSEEEAS INLNAINKCP LLKPWALTFS YGRALQASAL KAWGGKKENL KAAQEEYVKR ALANSLACQG KYTPSGQAGA AASESLFVSN HAYLEHHHHH H
Characteristics:	Recombinant Human Fructose-Bisphosphate Aldolase A/ALDOA is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Tyr364) of Human ALDOA.
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:	ALDOA
Alternative Name:	Fructose-Bisphosphate Aldolase A/ALDOA (ALDOA Products)
Background:	<p>Fructose Bisphosphate Aldolase A (ALDOA) belongs to the class I fructose-bisphosphate aldolase family. ALDOA is a glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. In vertebrates, three forms of this ubiquitous glycolytic enzyme are found, Aldolase A in muscle, Aldolase B in liver and aldolase C in brain. Aldolase A Interacts with SNX9 and WAS. Aldolase A deficiency has been associated with myopathy and hemolytic anemia. In addition, Aldolase A plays an important role in glycolysis and gluconeogenesis, it may also act as a scaffolding protein.</p> <p>Alternative Names: Fructose-Bisphosphate Aldolase A, Lung Cancer Antigen NY-LU-1, Muscle-Type Aldolase, ALDOA, ALDA</p>
Molecular Weight:	40.48 kDa
UniProt:	P04075
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

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

Handling

Storage Comment: Store at < -20°C, stable for 6 months after receipt.
Please minimize freeze-thaw cycles.

Expiry Date: 6 months