Description	Recombinant Human Fructose-Bisphosphate Aldolase A is produced by our E.coli expression system and the target gene encoding Pro2-Tyr364 is expressed with a 6His tag at the C-terminus.
Source	E.coli
Alternative name	Fructose-Bisphosphate Aldolase A; Lung Cancer Antigen NY-LU-1; Muscle-Type Aldolase; ALDOA; ALDA
Accession No.	P04075
Formulation	Supplied as a 0.2 μm filtered solution of 20mM TrisHCl, 100mM NaCl, 20% Glycerol, pH 8.0.

Quality Control	Purity:	Greater than 95% as determined by reducing SDS-PAGE.
	Endotoxin:	Less than 0.1 ng/μg (1 IEU/μg).
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.	
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.	

Amino Acid Sequence

PYQYPALTPEQKKELSDIAHRIVAPGKGILAADESTGSIAKRLQSIGTENTEENRRFYRQLLLTADDRVN PCIGGVILFHETLYQKA
DDGRPFPQVIKSKGGVVGIKVDKGVVPLAGTNGETTTQGLDGLSERCAQYKKDGADFAKWRCVLKIG EHTPSALAIMENANVL
ARYASICQQNGIVPIVEPEILPDGDHDLKRCQYVTEKVLAAVYKALSDHHIYLEGTLLKPNMVTPGHACT QKFSHEEIAMATVTA
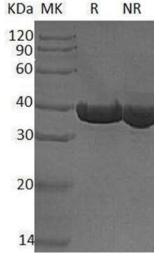LRRTVPPAVTGITFLSGGQSEEEASINLNAINKCPLLKPWALTFSYGRALQASALKAWGGKKENLKAAQ EEYVKRALANSLACQ GKYTPSGQAGAAASESLFVSNHAYLEHHHHHH

Background

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.

SDS-Page

MK: Marker

R: Sample in reducing conditions

NR: Sample in non-reducing conditions