

Aldolase A Active Protein | ALDOA active protein

Aldolase A, 1-364aa, Human, His tag, E. coli (Bioactivity Validated)

CATALOG # AAA11774	HOST E Coli	APPLICATIONS SDS-Page
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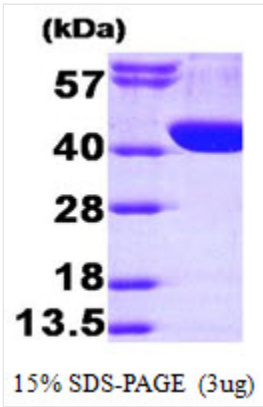
PRODUCT SYNONYMS

Aldolase A; 1-364aa; Human; His tag; E. coli (Bioactivity Validated); Fructose bisphosphate aldolase A; ALDOA; ALDA; GSD12; Fructose bisphosphate aldolase A Aldolase A; Aldolase A fructose bisphosphatase; Aldolase A fructose bisphosphate; Fructose 1 6 bisphosphate triosephosphate lyase; Fructose bisphosphate aldolase; Lung cancer antigen NY Lu 1; MGC10942; MGC17716; MGC17767; Muscle type aldolase; ; ALDOA active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 100mM NaCl, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MPYQYPALTP EQKKELSDIA HRIVAPGKGI LADESTGSI AKRLQSIGTE NTEENRRFYR QLLLTADDRV NPCIGGVILF HETLYQKADD GRPFPQVIKS KGGVVGIVKD KGVVPLAGTN GETTTQGLDG LSERCAQYKK DGADFAKWRC VLKIGEHTPS ALAIMENANV LARYASICQQ NGIVPIVEPE ILPDGDHDLK RCQYVTEKVL AAVYKALSDH HIYLEGTLLK PNMVTPGHAC TQKFSHEEIA MATVTALRRT VPPAVTGITF LSGGQSEEEA SINLNAINKC PLLKPWALTF SYGRALQASA LKAWGGKKEN LKAAQEEYVK RALANSLACQ GKYTPSGQAG AAASESLFVS NHAY
Sequence Length	364
Applicable Applications for ALDOA active protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Biological Activity	Specific activity is > 10 units/mg, one unit will convert 1.0 umol of fructose 1,6-diphosphate to dihydroxyacetone phosphate and glyceraldehydes 3-phosphate per minute at pH 7.5 at 37C.
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ALDOA active protein	Fructose biphosphate aldolase A, also known as Aldolase A is a glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. It 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. Deficiency has been associated with myopathy and hemolytic anemia. Recombinant human Aldolase A, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for ALDOA active protein	Metabolism
References	Pfleiderer G., et al. (1975) Beitr Pathol. 156 (3):266-79. ; Kishi H., et al. (1987) Proc Natl Acad uSA. 84 (23):8623-7.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34577110
NCBI GeneID	226
NCBI Accession #	NP_908930
NCBI GenBank Nucleotide #	NM_184041.2
UniProt Accession #	P04075; Q6FH76; Q6FI10; Q96B15; Q9BWD9; Q9UCN2; B4DXI7
Molecular Weight	41.5 kDa (384aa), confirmed by MALDI-TOF.
NCBI Official Full Name	fructose-bisphosphate aldolase A isoform 1
NCBI Official Synonym Full Names	aldolase, fructose-bisphosphate A
NCBI Official Symbol	ALDOA
NCBI Official Synonym Symbols	ALDA; GSD12; HEL-S-87p
NCBI Protein Information	fructose-bisphosphate aldolase A
UniProt Protein Name	Fructose-bisphosphate aldolase A
UniProt Gene Name	ALDOA
UniProt Synonym Gene Names	ALDA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

