

Product Datasheet

Recombinant Human Aldolase A His Protein NBP1-40395

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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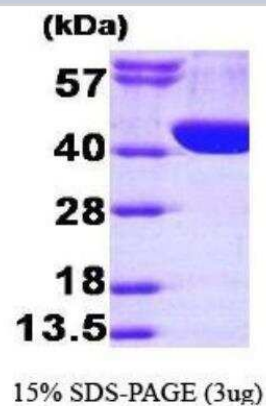
NBP1-40395

Recombinant Human Aldolase A His Protein

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>95%, by SDS-PAGE
Buffer	20 mM Tris-HCl buffer (pH8.0), 100 mM NaCl, 10% glycerol
Target Molecular Weight	41.5 kDa
Product Description	
Description	<p>A bioactive recombinant protein with a N-Terminal His-tag and corresponding to the amino acids 1-364 of Human Aldolase A</p> <p>Source: <i>E.coli</i></p> <p>Amino Acid Sequence: MGSSHHHHHH SGLVPRGSH MPYQYPALTP EQKELSDIA HRIVAPGKGI LADESTGSI AKRLQSIGTE NTEENRRFYR QLLLTADDRV NPCIGGVILF HETLYQKADD GRPFPQVIKS KGGVVGIVKVD 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</p>
Gene ID	226
Gene Symbol	ALDOA
Species	Human
Details of Functionality	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.
Product Application Details	
Applications	SDS-Page, Enzyme Activity
Recommended Dilutions	SDS-Page, Enzyme Activity

Images

SDS-Page: Recombinant Human Aldolase A Protein [NBP1-40395] - Aldolase A , 41.5 kDa (384aa), confirmed by MALDI-TOF with a purity of 95% by SDS - PAGE



Procedures

SDS-Page protocol for Aldolase A Biologically Active Protein (NBP1-40395)

SDS-PAGE (NBP1-40395):

1. Prepare a 1.45 ml reaction mixture with the following concentrations: 45 mM Tris pH8.0, 0.95mM fructose 1,6-diphosphate, 0.065 mM beta-nicotinamide adenine dinucleotide, 5 unit alpha-glycerophosphate dehydrogenase/triosephosphate isomerase.

2. Add 50 ul of recombinant Aldolase A protein with 1ug, 2ug in reaction mixture.

3. Record the decrease in A340nm for 5 minutes at 25C.





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Products Related to NBP1-40395

NBP1-87488PEP	Aldolase A Recombinant Protein Antigen
NB100-105	HIF-1 alpha Antibody (H1alpha67)
NBP1-87488	Aldolase A Antibody
DVE00	VEGF [HRP]

Limitations

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