

Aldolase A, human recombinant protein
Fructose biphosphate Aldolase A, ALDOA, ALDA, GSD12
Catalog # PBV10983r**Specification****Aldolase A, human recombinant protein - Product info**

Primary Accession	P04075
Concentration	1
Calculated MW	41.5 kDa (384 aa, 1-364 aa + His Tag), confirmed by MALDI-TOF. KDa

Aldolase A, human recombinant protein - Additional Info

Gene ID	226
Gene Symbol	ALDOA
Other Names	
Fructose biphosphate Aldolase A, ALDOA, ALDA, GSD12	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGSSHHHHHH SGLVPRGSH MPYQYPALTP EQKKELSDIA HRIVAPGKGI LAADESTGSI 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

Target/Specificity
Aldolase A**Format**
Liquid**Storage**
-80°C; 1 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 100 mM NaCl and 10% glycerol.**Aldolase A, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Aldolase A, human recombinant protein - Images

Aldolase A, human recombinant protein - Background

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.

Aldolase A, human recombinant protein - References

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Izzo P., et al. Eur. J. Biochem. 164:9-13(1987).
Izzo P., et al. Eur. J. Biochem. 174:569-578(1988).
Mukai T., et al. Eur. J. Biochem. 195:781-787(1991).
Ota T., et al. Nat. Genet. 36:40-45(2004).