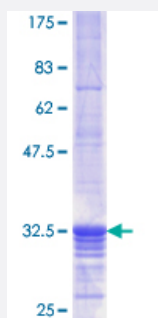


ALDOA (Human) Recombinant Protein (Q01)

Catalog # H00000226-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ALDOA partial ORF (AAH10660.1, 21 a.a. - 95 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	HRIVAPGKGILAADESTGSIKRLQSIGTENTENRRFYRQLLLTADDRVNPCIGGVILFHETLYQKADDGRFPF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	33.99
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ALDOA

Entrez GeneID [226](#)

GeneBank Accession# [BC010660](#)

Protein Accession# [AAH10660.1](#)

Gene Name ALDOA

Gene Alias ALDA, MGC10942, MGC17716, MGC17767

Gene Description aldolase A, fructose-bisphosphate

Omim ID [103850](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene product, Aldolase A (fructose-bisphosphate aldolase) is a glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Three aldolase isozymes (A, B, and C), encoded by three different genes, are differentially expressed during development. Aldolase A 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. Aldolase A deficiency has been associated with myopathy and hemolytic anemia. Alternative splicing of this gene results in multiple transcript variants which encode the same protein. [provided by RefSeq]

Other Designations aldolase A|fructose-1,6-bisphosphate triosephosphate-lyase|fructose-bisphosphate aldolase A

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)

- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Carbon fixation in photosynthetic organisms](#)
- [Fructose and mannose metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [Pentose phosphate pathway](#)

Disease

- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)