

ALDOA

Recombinant Human Aldolase-A His

Catalog No.	CS477A CS477B CS477C	Quantity:	5 µg 20 µg 1 mg
Alternate Names:	Fructose-bisphosphate aldolase A, Muscle-type aldolase, Lung cancer antigen NY-LU-1, ALDOA, ALDA, GSD12		
Description:	<p>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.</p> <p>Recombinant Human ALDOA is fused to a 20 amino acid His Tag at the N-terminus and is a single, non-glycosylated, polypeptide chain containing 384 amino acids (1-364 a.a.).</p>		
Concentration:	Sterile Filtered clear colorless solution.		
Gene ID:	226		
Source:	<i>E. coli</i>		
Molecular Mass:	41.5 kDa		
Formulation:	The ALDOA solution contains 20 mM Tris-HCl, pH 8 + 0.1M NaCl + 20% glycerol.		
Purity:	>95.0% as determined by SDS-PAGE.		
Amino Acid Sequence:	MGSSHHHHHH SSGLVPRGSH MPYQYPALTP EQKKELSDIA HRIVAPGKGI LADESTGSI AKRLQSIGTE NTEENRRFYR QLLLTADDRV NPCIGGVILF HETLYQKADD GRPFPQVIKS KGGVVGIVKVD KGVVPLAGTN GETTTQGLDG LSERCAQYKK DGADFAKWRC VLKIGEHTPS ALAIMENANV LARYASICQQ NGIVPIVEPE ILPDGDHDLK RCQYVTEKVL AAVYKALSDH HIYLEGTLK PNMVTPGHAC TQKFSHEEIA MATVTALRRT VPPAVTGITF LSGGQSEEEA SINLNAINKC PLLKPWALTF SYGRALQASA LKAWGGKKEN LKAAQEEYVK RALANSLACQ GKYTPSGQAG AAASESLFVS NHAY.		
Storage & Stability:	Store at 2-4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

