

32-2147: ALDOB Recombinant Protein

Alternative Name : Fructose-bisphosphate aldolase B, Liver-type aldolase, ALDOB, ALDB, Aldolase B fructose-bisphosphate, ALDO2, aldolase 2, Aldolase B fructose-bisphosphatase.

Description

Source : Escherichia Coli. ALDOB Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 388 amino acids (1-364) and having a molecular mass of 42kDa. ALDOB is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. ALDOB is a tetrameric glycolytic enzyme which catalyzes the reversible cleavage of fructose 1-phosphate into dihydroxyacetone phosphate and glyceraldehyde. Fructose-bisphosphate aldolase B (ALDOB) is one of 3 known aldolase isoenzymes, and is located in the kidney and the small adult intestine where it is linked with aldolases A or C. ALDOB is regulated by Insulin and glucagon and is implicated in hereditary fructose intolerance disease.

Product Info

Amount : 20 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

Content : The ALDOB solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.

Storage condition : Store at 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 multiple freeze-thaw cycles.

Amino Acid : MGSSHHHHHH SGLVPRGSH MGSMAHRFP ALTQEKKEL SEIAQSIVAN GKGILAADES VGTMGNRLQR IKVENTEENR RQFREILFSV DSSINQSIGG VILFHETLYQ KDSQGKLFNR ILKEKGIVVG IKLDQGGAPL AGTNKETTIQ GLDGLSERCA QYKKGVDVDFG KWRAVLRIAD QCPSSLAIQE NANALARYAS ICQQNGLVPI VEPEVIPDGD HDLEHCQYVT EKVLAAVYKA LNDHHVYLEG TLLKPNMVTA GHACTKKYTP EQVAMATVTA LHRTVPAAVP GICFLSGGMS EEDATLNLNA INLCPLPKPW KLSFSYGRAL QASALAAWGG KAAKKEATQE AFMKRAMANC QAAKGQYVHT GSSGAASTQS LFTACYTY.

