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**Product Data Sheet**


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Product Name: ALDOB Human

Cat. No.: GP21393

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Fructose-bisphosphate aldolase B; Liver-type aldolase; ALDOB; ALDB; Aldolase B fructose-bisphosphate; ALDO2; aldolase 2; Aldolase B fructose-bisphosphatase.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAHRFP ALTQEQKKEL SEIAQSIVAN GKGILAADES VGTMGNRLQR IKVENTEENR RQFREILFSV DSSINQSIGG VILFHETLYQ KDSQGKLFNRN ILKEKGIVVG IKLDQGGAPL AGTNKETTIQ GLDGLSERCA QYKKGVDVDFG KWRAVLRIAD QCPSSLAIQE NANALARYAS ICQQNGLVPI VEPEVIPDGD HDLEHCQYVT EKVLAAYKA LNDHHVYLEG TLLKPNMVTA GHACTKKYTP EQVAMATVTA LHRTVPAAVP GICFLSGGMS EEDATLNLNA INLCPLPKPW KLSFSYGRAL QASALAAWGG KAAKKEATQE AFMKRAMANC QAAKGQYVHT GSSGAASTQS LFTACYTY.		
Formulation	The ALDOB solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.		

**Introduction**

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.

**Stability**

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%

**Caution: Product has not been fully validated for medical applications. For research use only.**

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HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

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.

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