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ALDOB Human

Catalog #:ENPS-252

For research use only.

Description: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.

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

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMAHRFP ALTQEQKKEL SEIAQSIVAN GKGILAADES VGTMGNRLQR IKVENTEENR RQFREILFSV DSSINQSIGG VILFHETLYQ KDSQGKLFRN ILKEKGIVVG IKLDQGGAPL AGTNKETTIQ GLDGLSERCA QYKKDGVDFG KWRAVLRIAD QCPSSLAIQE NANALARYAS ICQQNGLVPI VEPEVIPDGD HDLEHCQYVT EK

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

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

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

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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.

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