

## Recombinant Mouse Aldob Protein, Myc/DDK-tagged

**Cat. No.** Aldob-1596M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length aldolase B, fructose-bisphosphate (Aldob), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | This gene encodes a subunit of the homotetrameric enzyme aldolase B, an isozyme of the class I fructose 1,6-bisphosphate aldolase enzyme. This enzyme catalyzes the conversion of fructose 1,6-bisphosphate to dihydroxyacetone phosphate and glyceraldehyde 3-phosphate. Homozygous knockout mice for this gene exhibit liver damage and death following fructose ingestion. A pseudogene of this gene has been identified in the genome. |
| <b>Molecular Mass</b>   | 39.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                              |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                           |

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Aldob aldolase B, fructose-bisphosphate \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Aldob](#)

**Synonyms** ALDOB; aldolase B, fructose-bisphosphate; fructose-bisphosphate aldolase B; liver-type aldolase; aldolase 2, B isoform; Aldo2; Aldo-2; BC016435; MGC36398

**Gene ID** [230163](#)

**mRNA Refseq** [NM\\_144903](#)

**Protein Refseq** [NP\\_659152](#)

**UniProt ID** [Q91Y97](#)

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