

## Recombinant Human ALDOC Protein, MYC/DDK-tagged

Cat. No. ALDOC-303H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human ALDOC fused with MYC/DDK tag at C-terminal was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                       |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                            |
| Description      | This gene encodes a member of the class I fructose-biphosphate aldolase gene family. Expressed specifically in the hippocampus and Purkinje cells of the brain, the encoded protein is a glycolytic enzyme that catalyzes the reversible aldol cleavage of fructose-1,6-biphosphate and fructose 1-phosphate to dihydroxyacetone phosphate and either glyceraldehyde-3-phosphate or glyceraldehyde, respectively. |
| Form             | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                             |
| Molecular Mass   | 39.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                          |
| Purity           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                       |
| Concentration    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                  |

### GENE INFORMATION

|           |                                                          |
|-----------|----------------------------------------------------------|
| Gene Name | ALDOC aldolase C, fructose-bisphosphate [ Homo sapiens ] |
|-----------|----------------------------------------------------------|

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|                        |                                                                                                                                                                                      |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b> | ALDOC                                                                                                                                                                                |
| <b>Synonyms</b>        | ALDOC; aldolase C, fructose-bisphosphate; fructose-bisphosphate aldolase C; aldolase 3; fructoaldolase C; brain-type aldolase; fructose-1,6-biphosphate triosephosphate lyase; ALDC; |
| <b>Gene ID</b>         | 230                                                                                                                                                                                  |
| <b>mRNA Refseq</b>     | NM_005165                                                                                                                                                                            |
| <b>Protein Refseq</b>  | NP_005156                                                                                                                                                                            |
| <b>MIM</b>             | 103870                                                                                                                                                                               |
| <b>UniProt ID</b>      | P09972                                                                                                                                                                               |

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