

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

Cat. No. Dlat-2573M    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex) (Dlat), with C-terminal MYC/DDK tag, expressed in HEK293T cells. |
| <b>Species</b>          | Mouse                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                   |
| <b>Description</b>      | The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO <sub>2</sub> , and thereby links the glycolytic pathway to the tricarboxylic cycle.                 |
| <b>Molecular Mass</b>   | 68.4 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                                                                                                                                                         |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                    |

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## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Dlat dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex) [ Mus musculus (house mouse) ]                                                                                                                                                                                                                                              |
| <b>Official Symbol</b> | Dlat                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>        | DLAT; dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex); dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial; PDCE2; pyruvate dehydrogenase complex component E2; dihydrolipoamide acetyltransferase component of pyruvate dehydrogenase complex; DLTA; PDC-E2; 6332404G05Rik |
| <b>Gene ID</b>         | 235339                                                                                                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>     | NM_145614                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>  | NP_663589                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>      | Q8BMF4                                                                                                                                                                                                                                                                                                                                                                 |

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