

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

**Cat. No.** Dlst-2581M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex) (Dlst), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Dihydrolipoamide succinyltransferase (E2) component of the 2-oxoglutarate dehydrogenase complex. The 2-oxoglutarate dehydrogenase complex catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO <sub>2</sub> . The 2-oxoglutarate dehydrogenase complex is mainly active in the mitochondrion. A fraction of the 2-oxoglutarate dehydrogenase complex also localizes in the nucleus and is required for lysine succinylation of histones: associates with KAT2A on chromatin and provides succinyl-CoA to histone succinyltransferase KAT2A.
<b>Molecular Mass</b>	49.4 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.

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**Concentration** >50 µg/mL as determined by microplate BCA method

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

## GENE INFORMATION

**Gene Name** [Dlst dihydrolipoamide S-succinyltransferase \(E2 component of 2-oxo-glutarate complex\) \[ Mus musculus \(house mouse\) \]](#)

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

**Synonyms** DLST; dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex); dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial; E2K; OGDC-E2; 2-oxoglutarate dehydrogenase complex component E2; dihydrolipoamide succinyltransferase component of 2-oxoglutarate dehydrogenase complex; DLTS; 1600017E01Rik; 4632413C10Rik; 4930529O08Rik

**Gene ID** [78920](#)

**mRNA Refseq** [NM\\_030225](#)

**Protein Refseq** [NP\\_084501](#)

**UniProt ID** [Q9D2G2](#)

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