

Recombinant Mouse Dlst Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
Description	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 ₂ . 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.
Molecular Mass	49.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	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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