

Recombinant Mouse Dbt Protein, Myc/DDK-tagged

Cat. No. Dbt-2467M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length dihydrolipoamide branched chain transacylase E2 (Dbt), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The branched-chain alpha-keto dehydrogenase complex catalyzes the overall conversion of alpha-keto acids to acyl-CoA and CO(2). It contains multiple copies of three enzymatic components: branched-chain alpha-keto acid decarboxylase (E1), lipoamide acyltransferase (E2) and lipoamide dehydrogenase (E3). Within this complex, the catalytic function of this enzyme is to accept, and to transfer to coenzyme A, acyl groups that are generated by the branched-chain alpha-keto acid decarboxylase component.
Molecular Mass	53.3 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.
Concentration	>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 Dbt dihydrolipoamide branched chain transacylase E2 [Mus musculus (house mouse)]

Official Symbol Dbt

Synonyms DBT; dihydrolipoamide branched chain transacylase E2; lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial; BCKADE2; BCKAD E2; BCKAD-E2; part of the BCKAD complex; dihydrolipoyl transacylase; branched-chain alpha-ketoacid dehydrogenase, E2 subunit; dihydrolipoyllysine-residue (2-methylpropanoyl)transferase; branched-chain alpha-keto acid dehydrogenase complex component E2; dihydrolipoamide acetyltransferase component of branched-chain alpha-keto acid dehydrogenase complex; D3Wsu60e

Gene ID 13171

mRNA Refseq NM_010022

Protein Refseq NP_034152

UniProt ID P53395

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