

## DLAT Protein, Mouse, Recombinant (His)

## General Information

Synonyms:	Dlat;Dihydrolipoamide acetyltransferase component of pyruvate dehydrogenase complex; Pyruvate dehydrogenase complex component E2 (PDC-E2;PDCE2);Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial; mitochondrial
Protein Construction:	86-642 aa
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q8BMF4
Molecular Weight:	61.3 kDa (predicted)
AA Sequence:	SLPPHQKVPLPSLSPTMQAGTIARWEKKEGEKISEGDLIAEVETDKATVGFESLEECYMAKILVPEGTRDVPVG SIICITVEKPDIEAFKNYTLDLAAAAAPQAAPAAAPAPAAAPAAPASAPGSSYPHMQIVLPALSPTMTMG TVQRWEKKVGEKLESGDLLAEIETDKATIGFEVQEEGYLAKILVPEGTRDVPLGAPLCIIVEKQEDIAAFADYRPT EVTSLKPQAAPPAPPPVAAVPPTPQPVAPTPSAAPAGPKGRVFSPLAKKLAAEKGIDLTQVKGTGPEGRIKK DIDSFVPSKAAPAAAAAMAPPGRVAPAPAGVFTDIPISNIRRVIAQRLMQSKQTIPIHYLSVDVNMGEVLLV RKELNKMLEGKGISVNDFIKASALACLKVPEANSSWMDTVIRQNHVVDVSVAVSTPAGLITPIVFNAHIKGL ETIASDVVSLASKAREGKLQPHEFQGGTFTISNLGMFGIKNFSAIINPPQACILAIGASEDKLIPADNEKGFDA SVMSVTLSCDHRVVDGAVGAQWLAEFKKYLEKPITMLL

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

## Preparation and Storage

## Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

*Actual storage temperature shall be subject to the COA.*

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

**Protein Background**

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481