

**RPA696Mu01 100µg**  
**Recombinant Dihydrolipoyl Transacetylase (DLAT)**  
**Organism Species: *Mus musculus* (Mouse)**  
***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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12th Edition (Revised in Aug, 2016)

## **[ PROPERTIES ]**

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Residues:** Thr368~Trp626

**Tags:** N-terminal His-Tag

**Tissue Specificity:** Brain, Heart, Kidney, Liver.

**Subcellular Location:** Mitochondrion matrix.

**Purity:** >98%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 5% trehalose and 0.01% sarcosyl.

**Original Concentration:** 200ug/mL

**Applications:** SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 8.4

**Predicted Molecular Mass:** 29.0kDa

**Accurate Molecular Mass:** 29kDa as determined by SDS-PAGE reducing conditions.

## **[ USAGE ]**

Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## **[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

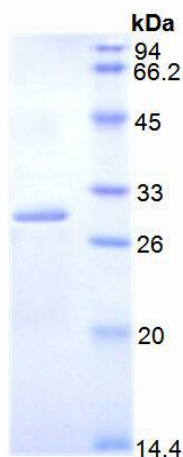
Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**[ SEQUENCE ]**

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                TQV KGTGPEGRII KKDIDSFVPS KAAPAAAAAM
APPGPRVAPA PAGVFTDIPI SNIRRVIAQR LMQSKQTIPH YYLSVDVNMG
EVLLVRKELN KMLEGKGKIS VNDFIIKASA LACLKVPEAN SSWMDTVIRQ
NHVVDVSVAV STPAGLITPI VFNAHIKGLE TIASDVVSLA SKAREGKLQP
HEFQGGTFTI SNLGMFGIKN FSAIINPPQA CILAIGASED KLIPADNEKG
FDVASVMSVT LSCDHRVVDG AVGAQW
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**[ IDENTIFICATION ]**



**Figure 1. SDS-PAGE**