

# Recombinant Lactate Dehydrogenase B (LDHB) Instruction Manual

## SIPB165Mu01

### Mus musculus (Mouse)

<b>Source</b>	Prokaryotic expression
<b>Host</b>	E.coli
<b>Endotoxin Level</b>	<1.0EU per 1µg (determined by the LAL method)
<b>Subcellular Location</b>	Cytoplasm, Chromosome
<b>Predicted Molecular Mass</b>	37.8kDa
<b>Accurate Molecular Mass</b>	37kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Met1~Leu334 with N-terminal His Tag
<b>Buffer Formulation</b>	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 90%
<b>Isoelectric Point</b>	6.0
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

### SEQUENCE

```
MATLKEKLIA SVADDEAAVP NNKITVVGVG QVGMACAISI LGKSLADELA  
LVDVLEDKLIK GEMMDLQHGS LFLQTPKIVA DKDYSVTANS KIVVVTAGVR  
QQEGESRLNL VQRNVNVFKF IIPQIVKYSP DCTIIVVSNP VDILTYVTWK  
LSGLPKHRVI GSGCNLDSAR FRYLMAEKLK IHPSSCHGWI LGEHGDSSVA  
VWSGVNVAGV SLQELNPEMG TDNSENWKE VHKMVVD SAY EVIKLKGYTN  
WAIGLSVADL IESMLKNLSR IHPVSTMVKG MYGIENEVFL SLPCILNARG  
LTSVINQKLIK DDEVAQLRKS ADTLWDIQKD LKDL
```

### USAGE

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

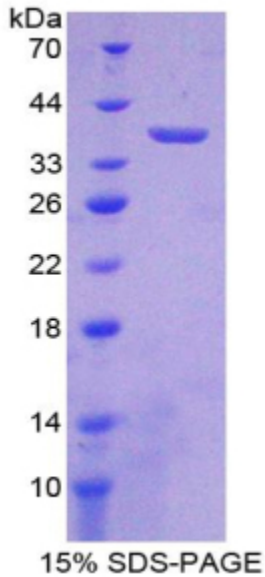
### STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## **STABILITY**

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.

### **Image**



SDS-PAGE Image

### **[IMPORTANT NOTE]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.