

# Recombinant Lipoprotein lipase (LPL) Instruction Manual

## SIPA648Mu01

### 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>	Membrane, Secreted
<b>Predicted Molecular Mass</b>	54.0kDa
<b>Accurate Molecular Mass</b>	54kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Ala28~Gly474 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>	7.8
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

### SEQUENCE

ADA GRDFSDIESK FALRTPEDTA  
EDTCHLIPGL ADSVSNCHFV HSSKTFVVIH GWTVTGMYES WVPKLVAALY  
KREPDSNVIV VDWLYRAQQH YPVSAGYTKL VGNDVARFIN WMEEEFNYPL  
DNVHLLGYSL GAHAAGVAGS LTNKKVNRIT GLDPAGPNFE YAEAPSRLSP  
DDADFVDVLH TFTRGSPGRS IGIQKPVGHV DIYPNGGTFQ PGCNIGEAIR  
VIAERGLGDV DQLVKCSHER SIHLFIDSLL NEENPSKAYR CNSKEAFEKG  
LCLSCRKNRC NNLYGEINKV RAKRSSKMYL KTRSQMPYKV FHYQVKIHFS  
GTEDGKQHNQ AFEISLYGTV AESENIPFTL PEVSTNKTYS FLIYTEVDIG  
ELLMMKWKWI SDSYFSWPDW WSSPSFVIER IRVKAGETQK KVIFCAREKV  
SHLQK GKDSA VFKCHDKSL KKSG

### USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 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



Figure. SDS-PAGE

## **[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.

