

Recombinant Phospholipase A2 Group VII (LpPLA2) Instruction Manual

SIPA201Mu01

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted, Extracellular matrix
Predicted Molecular Mass	48.1kDa
Accurate Molecular Mass	48kDa(Analysis of differences refer to the manual)
Residues & Tags	Phe22~Asn440 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	6.6
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

```
FHWQDTSSF DFRPSVMFHK LQSVMSAAGS  
GHSKIPKNG SYPVGCTDLM FGYGNESVFV RLYYPAQDQG RLDTVWIPNK  
EYFLGLSIFL GTPSIVGNIL HLLYGSLTTP ASWNSPLRTG EKYPLIVFSH  
GLGAFRTIYS AIGIGLASNG FIVATVEHRD RSASATYFFE DQVAAKVENR  
SWLYLRKVQ EESESVRKEQ VQQRATIECSR ALSAILDIEH GDPKENVLGS  
AFDMKQLKDA IDETKIALMG HSFGGATVLQ ALSAQRFRC GVALDPWMYP  
VNEELYSRTL QPLLFINSAK FQTPKDIAM KKFYQPKER KMITIKGSVH  
QNFDDFTFVT GKIIGNKLT LKGEIDSRVAI DLTNKASMAF LQKHLGLQKD  
FDQWDPLVEG DDENLIPGSP FDAVTQVPAQ QHSPGSQTQN
```

USAGE

Reconstitute in ddH₂O 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.