

Recombinant Phospholipase A2 Group VII (LpPLA2) Instruction Manual

SIPA201Mu03

Mus musculus (Mouse)

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|---------------------------------|---|
| 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 | 60.5kDa |
| Accurate Molecular Mass | 68kDa(Analysis of differences refer to the manual) |
| Residues & Tags | Phe22~Asn440 with Two N-terminal Tags, His-tag and SUMO-tag |
| Buffer Formulation | PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. |
| Traits | Freeze-dried powder |
| Purity | > 90% |
| Isoelectric Point | 6.6 |
| Applications | Positive Control; Immunogen; SDS-PAGE; WB. |

SEQUENCE

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FHWQDTSSF DFRPSVMFHK LQSVMSAAGS
GHSKIPKNG SYPVGCTDLM FGYGNESV FV RLYYPAQDQG RLDTVWIPNK
EYFLGLSIFL GTPSIVGNIL HLLYGLTTP ASWNSPLRTG EKYPLIVFSH
GLGAFRTIYS AIGIGLASNG FIVATVEHRD RSASATYFFE DQVAAKVENR
SWLYLRKVKQ EESESVRKEQ VQQRATIECSR ALSAILDIEH GDPKENVLGS
AFDMKQLKDA IDETKIALMG HSFGGATVLQ ALSEDQRFRC GVALDPWMYP
VNEELYSRTL QPLLFINSK FQTPKDIAKM KKFYQPKER KMITIKGSVH
QNFDDFTFVT GKIIGNKLT L KGEIDSRVAI DLTNKASMAF LQKHLGLQKD
FDQWDPLVEG DDENLIPGSP FDAVTQVPAQ QHSPGSQTQN
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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.