

# Recombinant Myosin Light Chain Kinase (MYLK) Instruction Manual

## SIPB586Ra01

### *Rattus norvegicus* (Rat)

<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
<b>Predicted Molecular Mass</b>	52.6kDa
<b>Accurate Molecular Mass</b>	58kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Val33~Ala485 with N-terminal His Tag
<b>Buffer Formulation</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 95%
<b>Isoelectric Point</b>	9.5
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

```

VSSLPLTE APAFILPPRN
LCVKEGATAK FEGRVRGHPE PQVTWHRNGQ TITNGGRFLL DGGVRGTFSL
VIRGVREEDK GKYTCEASNG SGARQVTVEL TVEGDLMKKH GQPVLKASG
FPGETRPSIW GECPPKFATK LGRAVVKEGQ MGRFSCKITG RPPPQVTWLK
GNVPLQPSAR VSMSEKNGMQ ILEIHEVTQD DMGTYTCMVV NGSKGASMSA
ELSIPGLDNA TRLSRGTKDP SPDIRKEVTN GISKDPETVA ESKNCSSPQK
SNFLAQATNS HLKSLQQPKL KPCEDSPRKV LQSSVLQKTS STIVLQASKV
QPEVRAAGIG ASGPGEERKS LTAPRQATPP TRQCGLGGSV GNKFITGNIP
IENQRESRFP KFESQPQSQE VTEGQTVKFT CEVSGIPKPE VGWFLEGIPV
RRQEGIVEIY EDGTSHYLCL PRAGTRDSCR YSCTA
```

## USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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

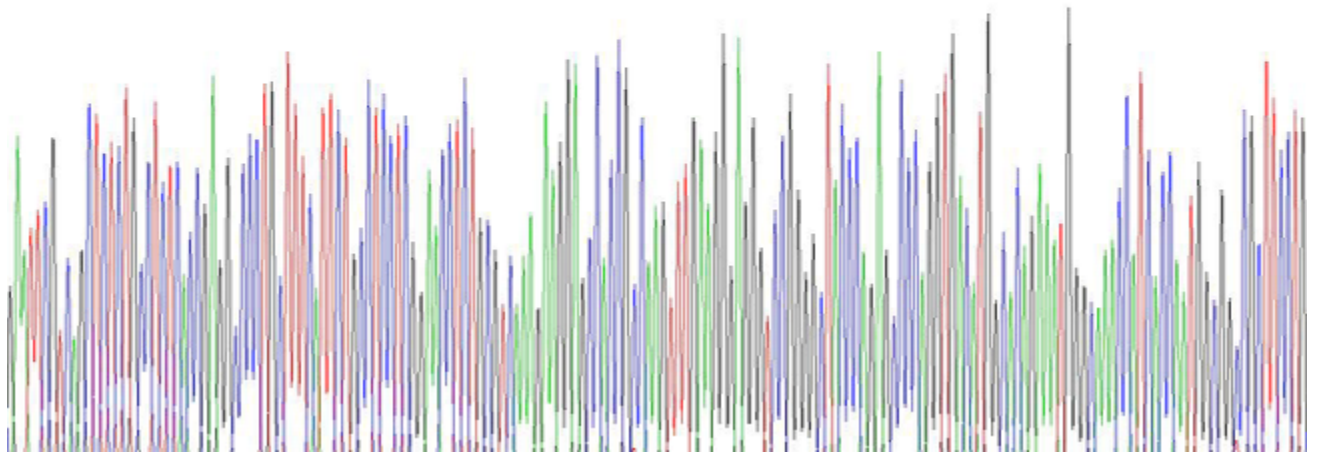


Figure. SDS-PAGE

## **[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.