

Recombinant Extracellular Signal Regulated Kinase 2 (ERK2) Instruction Manual

SIPA207Ra01

Rattus norvegicus (Rat)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane, Nucleus, Cytoplasm
Predicted Molecular Mass	42.8kDa
Accurate Molecular Mass	43kDa(Analysis of differences refer to the manual)
Residues & Tags	Tyr23~Ser358 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	7.0
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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YTNLSYIG EGAYGMVCSA YDNLNKVRVA  
IKKISPFEHQ TYCQRTLREI KILLRFRHEN IIGINDIIRA PTIEQMKDVY  
IVQDLMETDL YKLLKTQHLS NDHICYFLYQ ILRGLKYIHS ANVLHRDLKP  
SNLLLNTTCD LKICDFGLAR VADPDHDHTG FLTEYVATRW YRAPEIMLNS  
KGYTKSIDIW SVGCILAEML SNRPIFPGKH YLDQLNHILG ILGSPSQEDL  
NCIINLKARN YLLSLPHKNK VPWNRLFPNA DSKALDLLDK MLTFNPHKRI  
EVEQALAHPY LEQYYDPSDE PIAEAPFKFD MELDDLPEKEK LKELIFEETA  
RFQPGYRS
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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

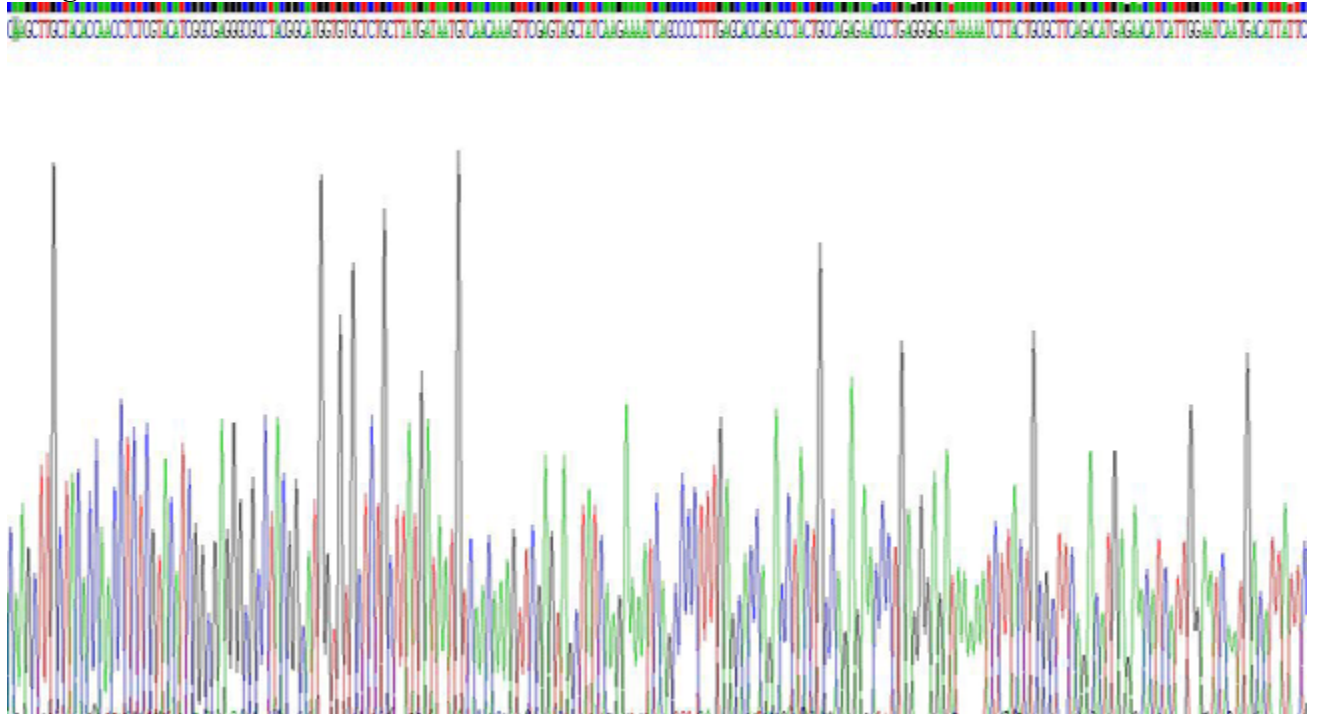


Figure. SDS-PAGE

[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.